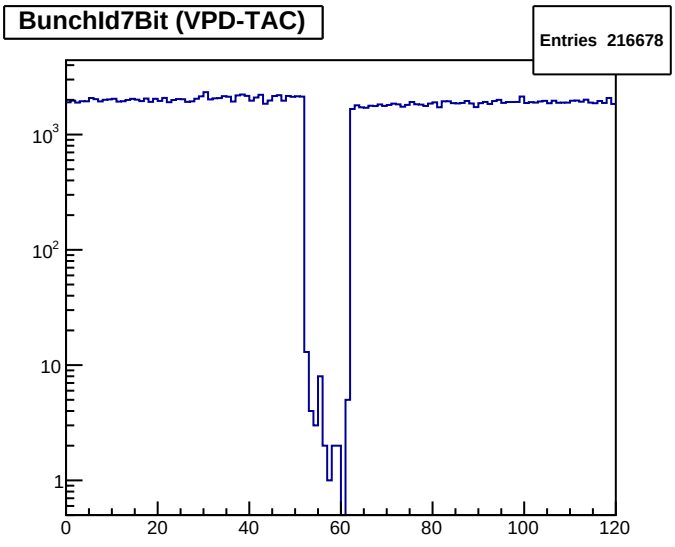
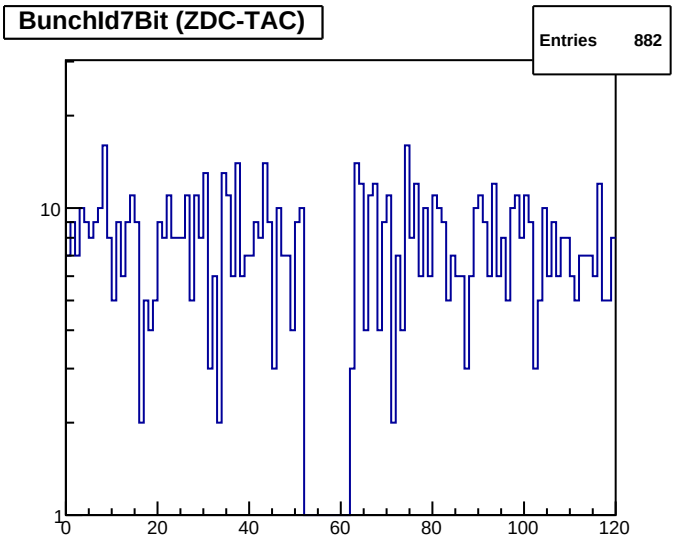
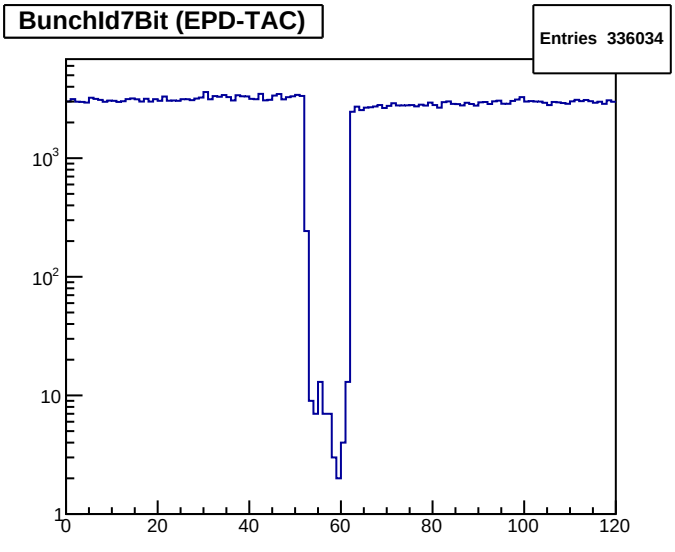
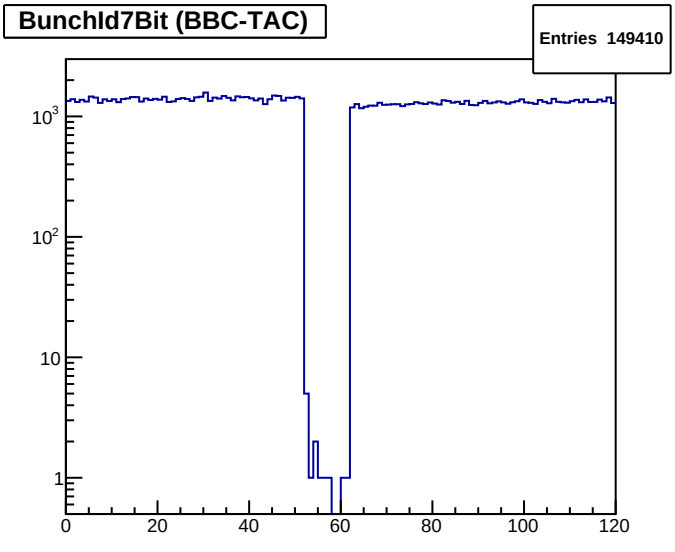
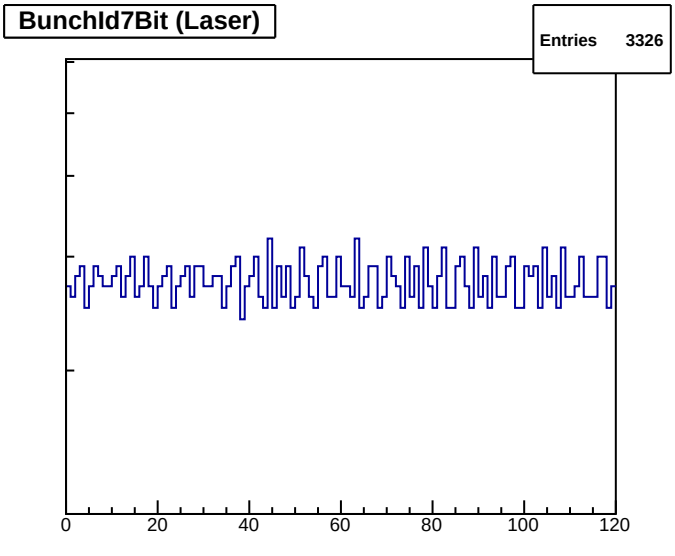
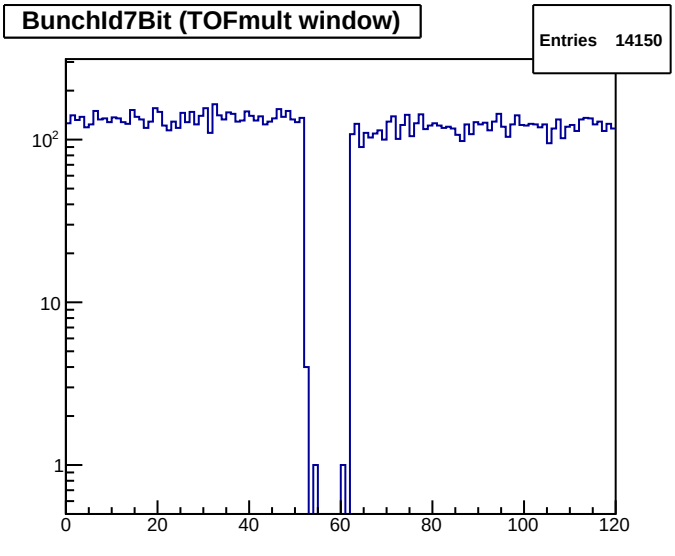

BunchId7Bit (VPD-TAC)
Entries 216678
$10^3$
$10^2$
10
1
0
20
40
60
80
100
120

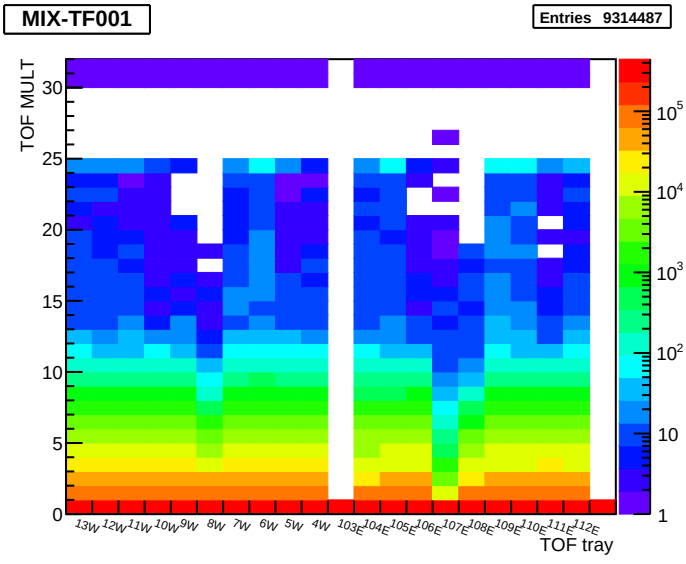

BunchId7Bit (ZDC-TAC)
Entries 882
10
1
0
20
40
60
80
100
120

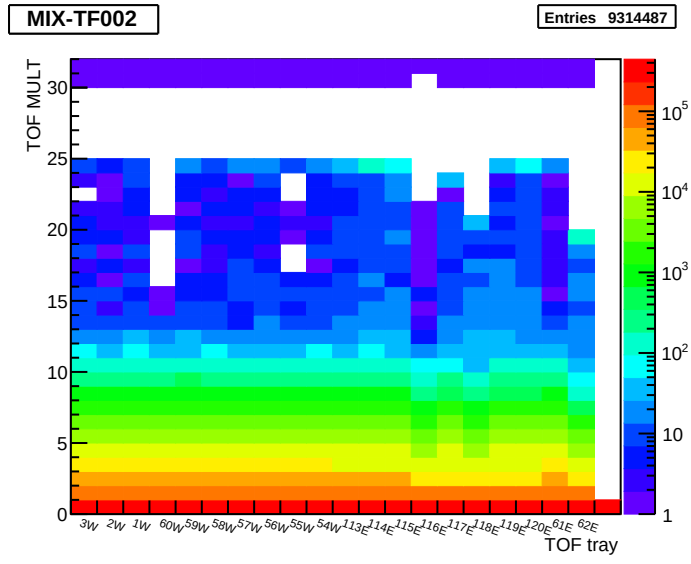

BunchId7Bit (EPD-TAC)
Entries 336034
$10^3$
$10^2$
10
1
0
20
40
60
80
100
120

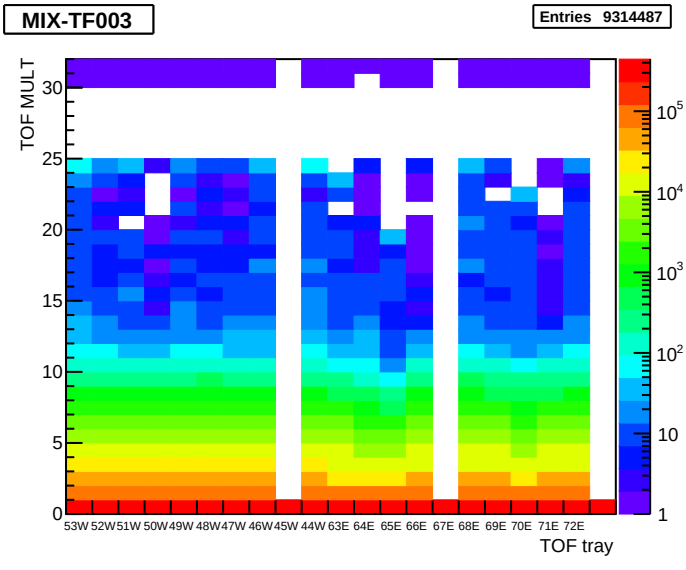

BunchId7Bit (BBC-TAC)
Entries 149410
$10^3$
$10^2$
10
1
0
20
40
60
80
100
120

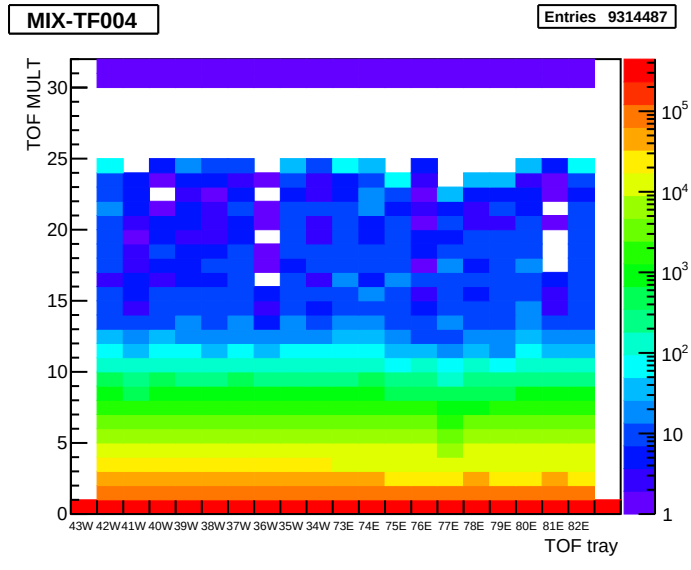

BunchId7Bit (Laser)
Entries 3326
0
20
40
60
80
100
120

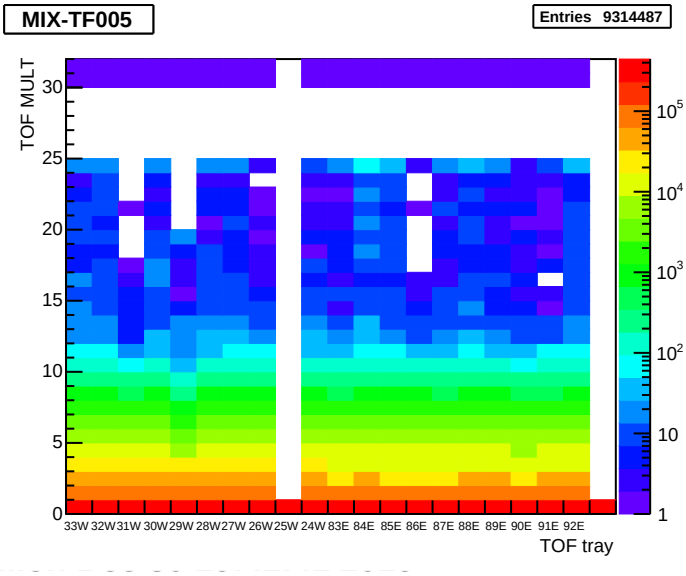

BunchId7Bit (TOFmult window)
Entries 14150
$10^2$
10
1
0
20
40
60
80
100
120

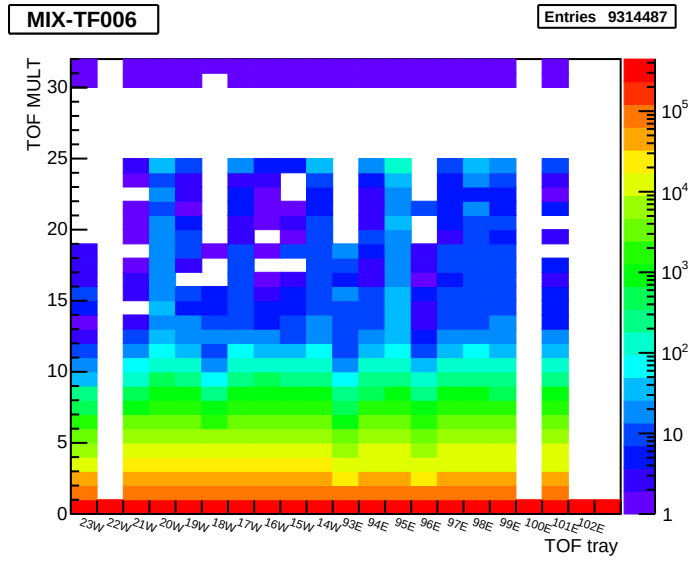

MIX-TF001
Entries 9314487
TOF MULT
TOF tray

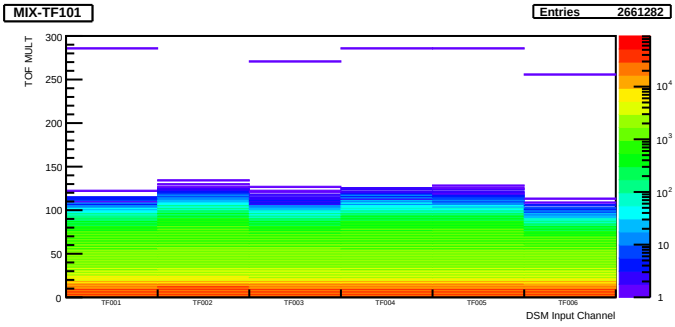

MIX-TF002
Entries 9314487
TOF MULT
TOF tray

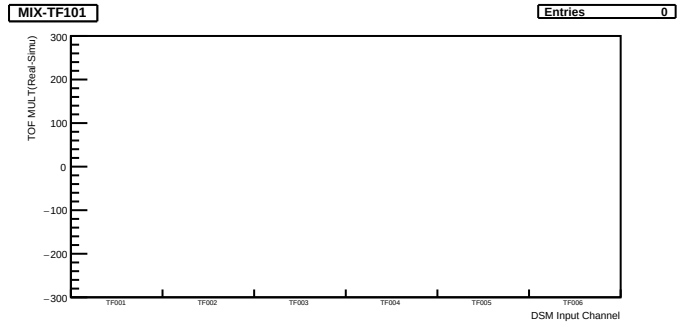

MIX-TF003
Entries 9314487
TOF MULT
TOF tray

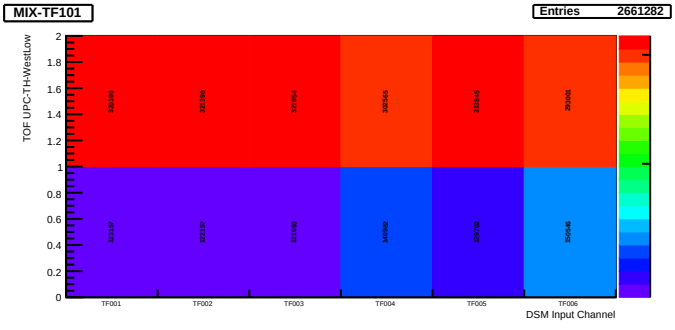

MIX-TF004
Entries 9314487
TOF MULT
TOF tray

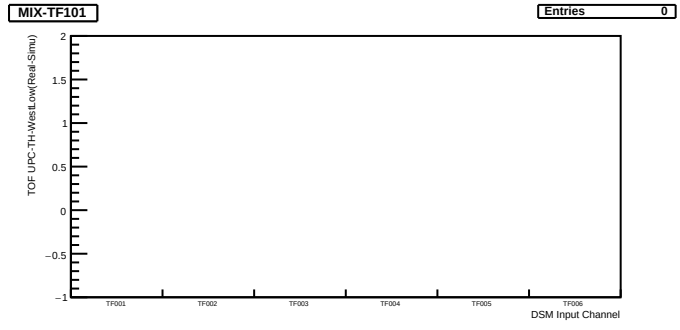

MIX-TF005
Entries 9314487
TOF MULT
TOF tray

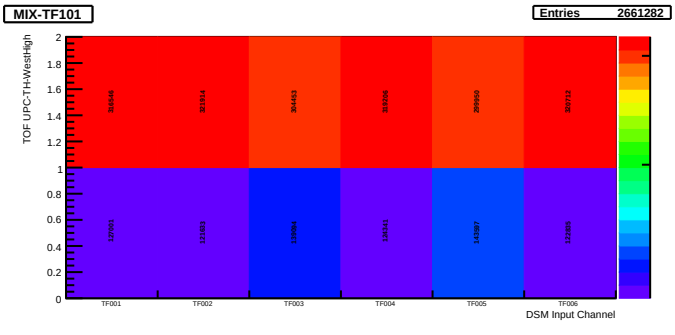

MIX-TF006
Entries 9314487
TOF MULT
TOF tray

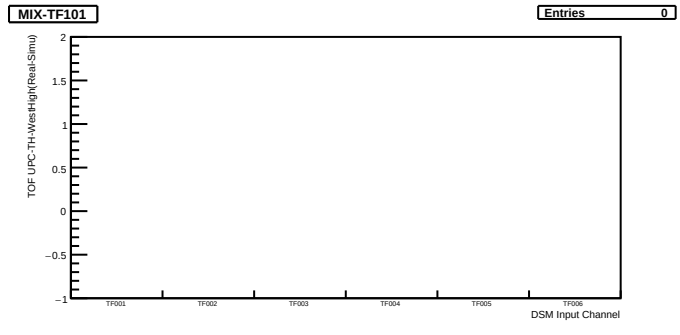

MIX-TF101
Entries 2661282
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

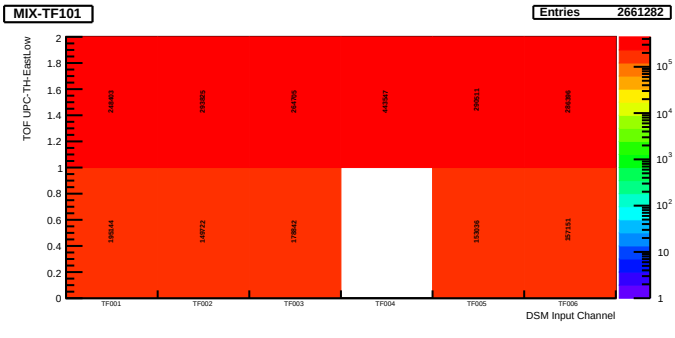

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

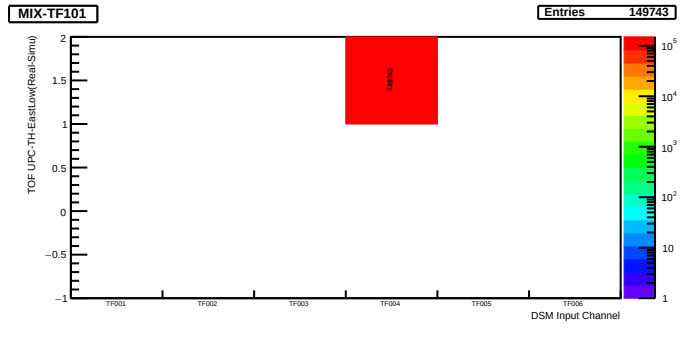

MIX-TF101
Entries 2661282
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

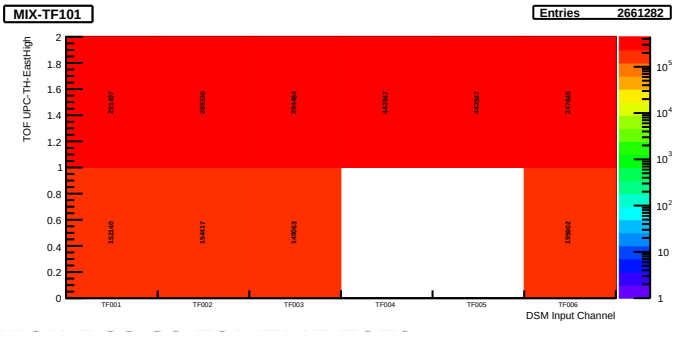

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

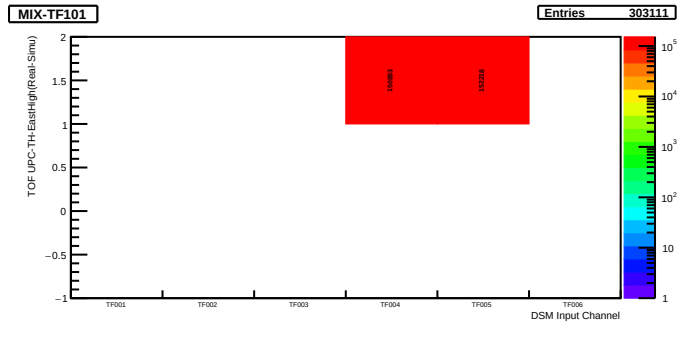

MIX-TF101
Entries 2661282
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

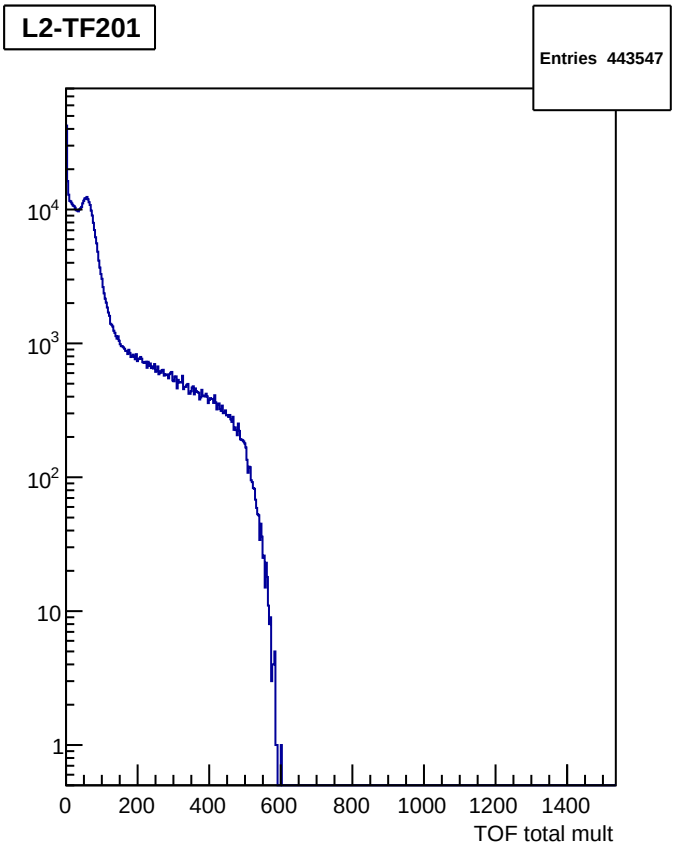

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

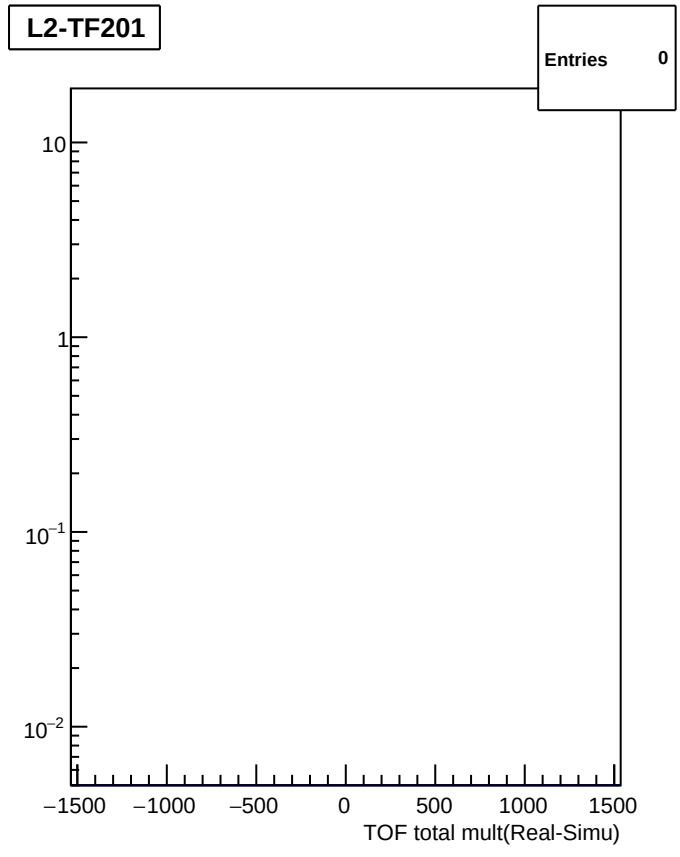

MIX-TF101
Entries 2661282
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

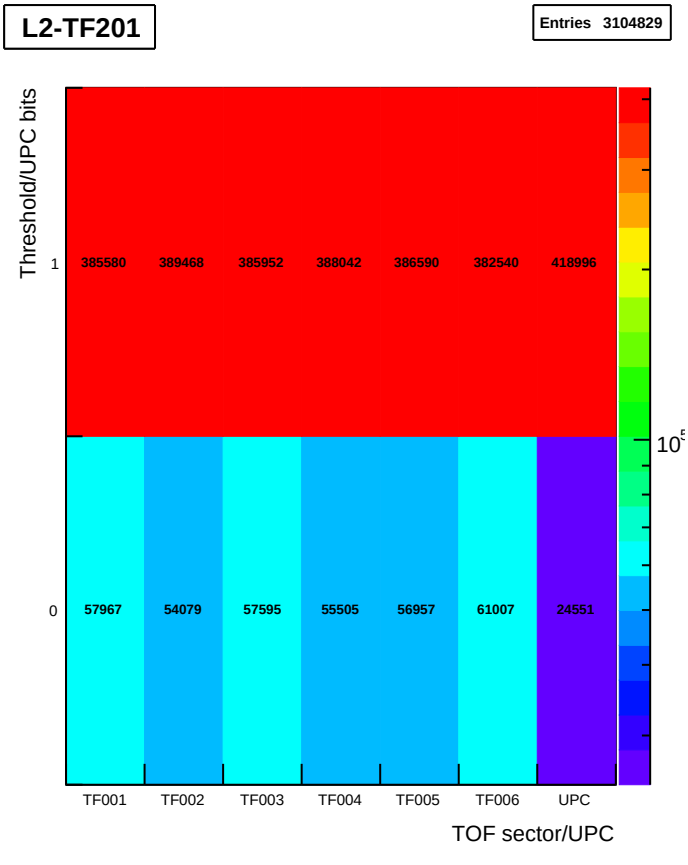

MIX-TF101
Entries 149743
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

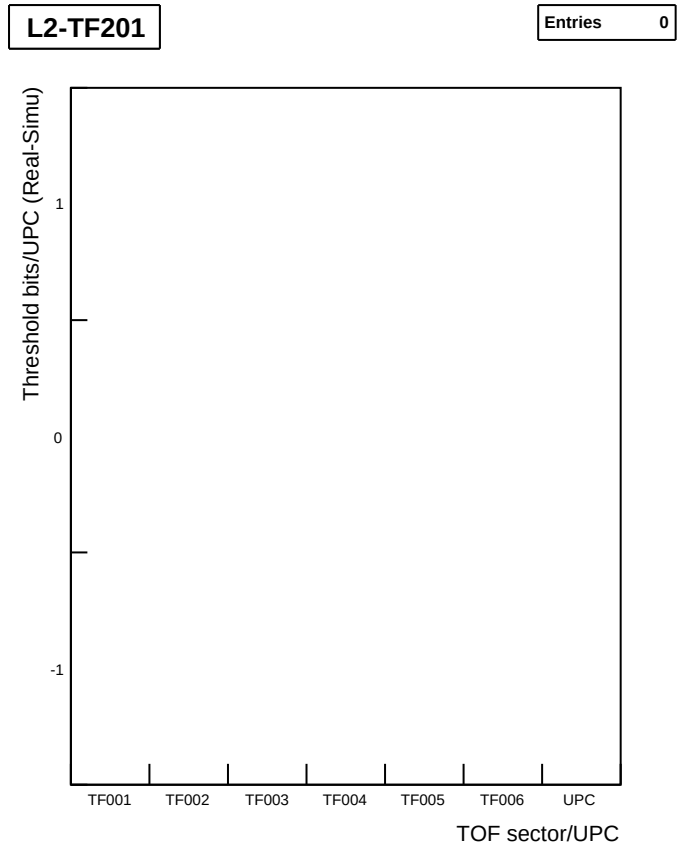

MIX-TF101
Entries 2661282
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

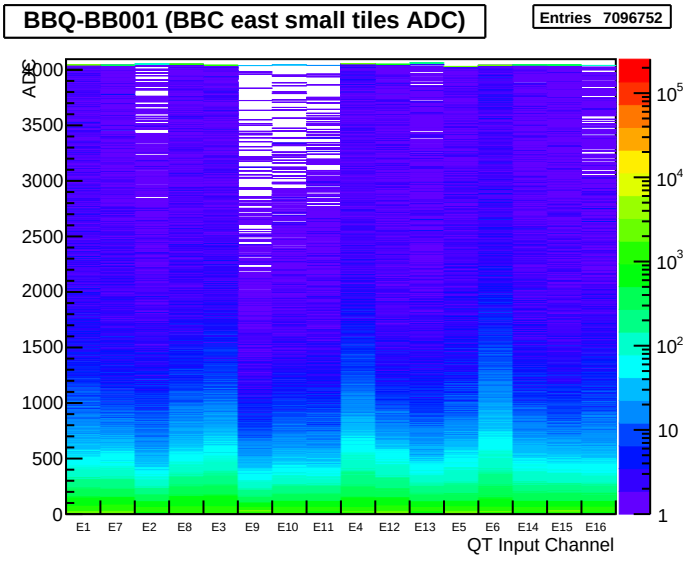

MIX-TF101
Entries 303111
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

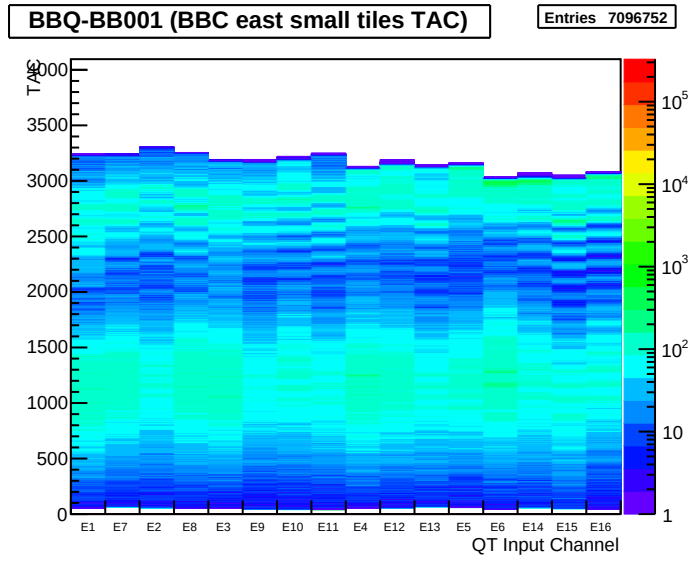

L2-TF201
Entries 443547
TOF total mult

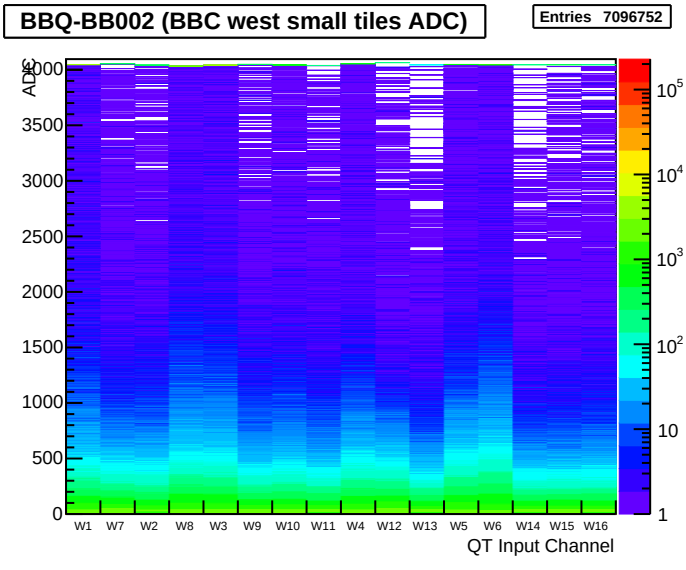

L2-TF201
Entries 0
TOF total mult(Real-Simu)

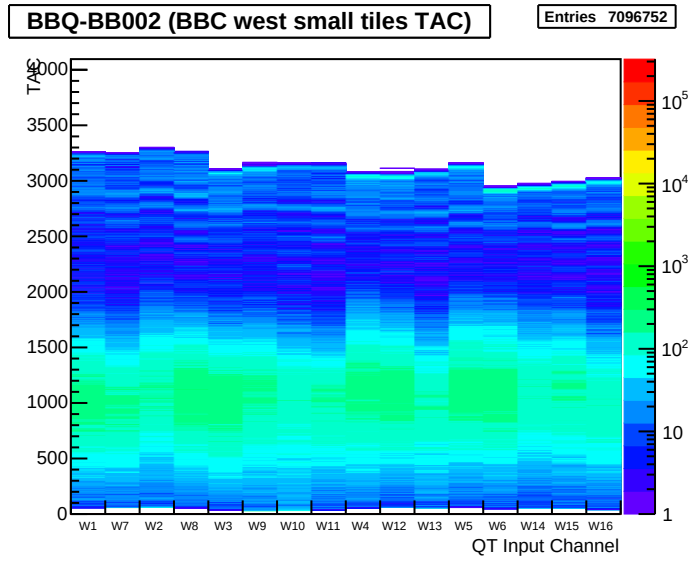

L2-TF201
Entries 3104829
Threshold/UPC bits
385580
389468
385952
388042
386590
382540
418996
57967
54079
57595
55505
56957
61007
24551
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

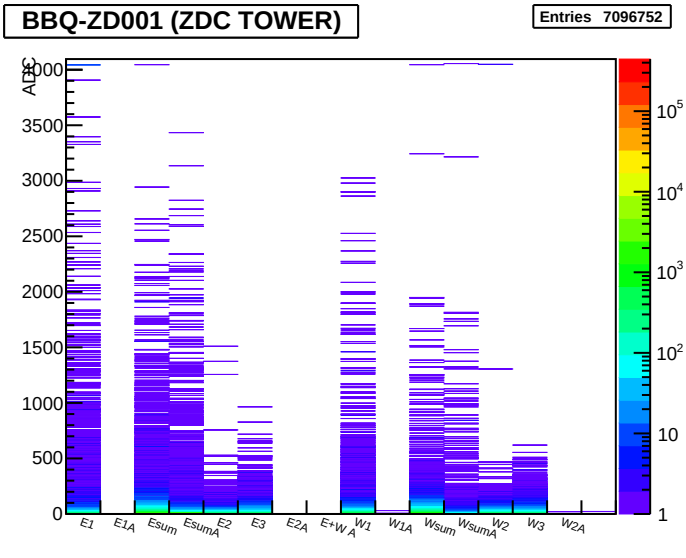

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

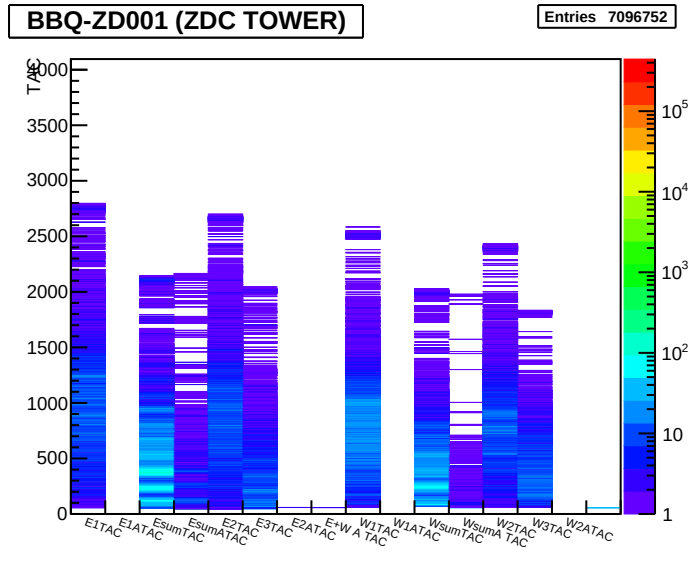

BBQ-BB001 (BBC east small tiles ADC)
Entries 7096752
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

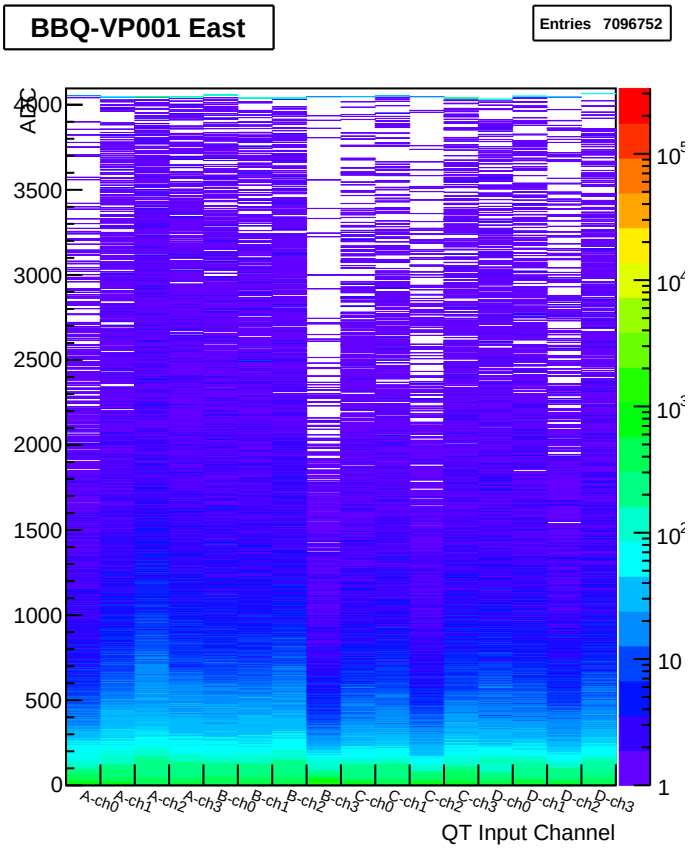

BBQ-BB001 (BBC east small tiles TAC)
Entries 7096752
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

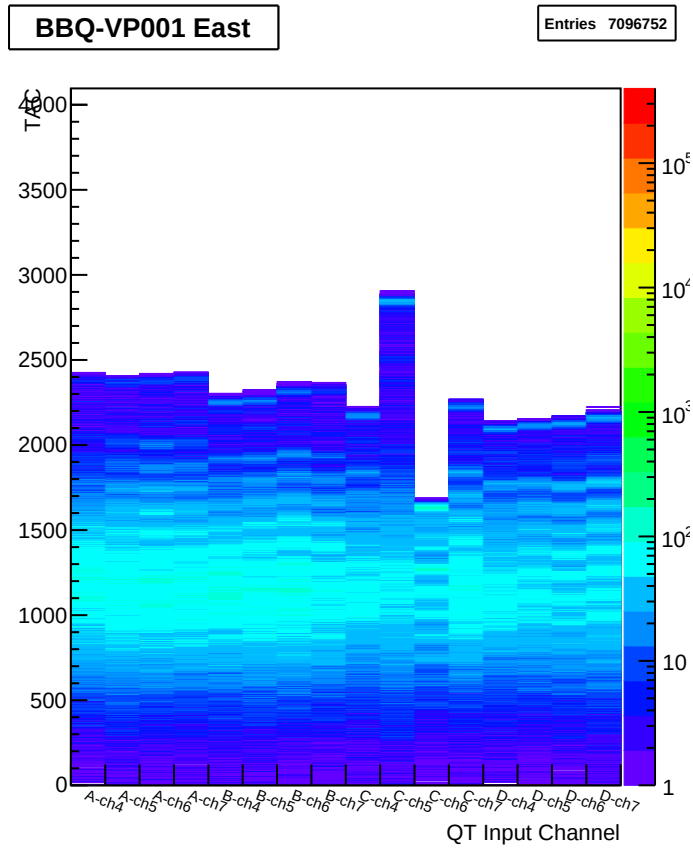

BBQ-BB002 (BBC west small tiles ADC)
Entries 7096752
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

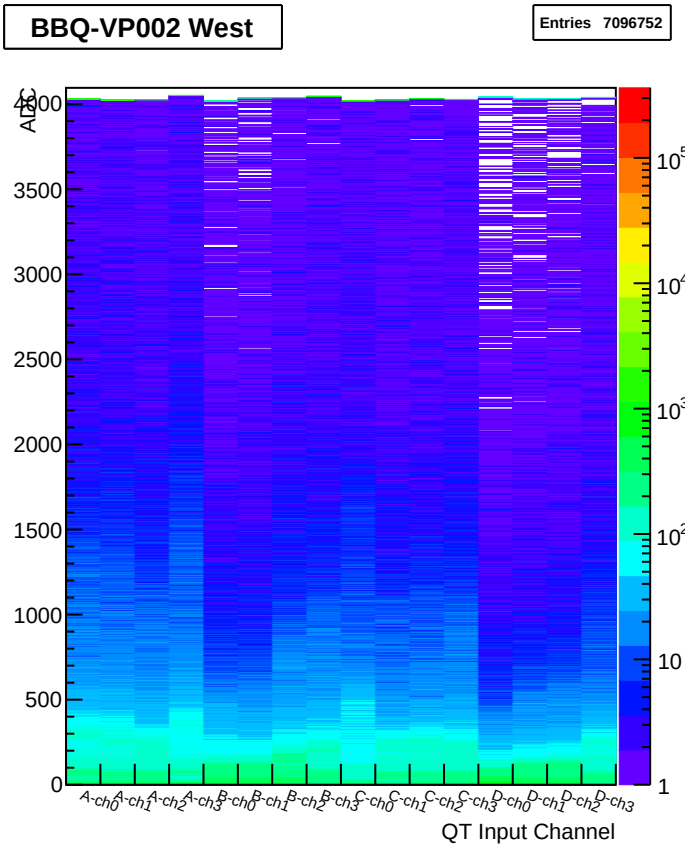

BBQ-BB002 (BBC west small tiles TAC)
Entries 7096752
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

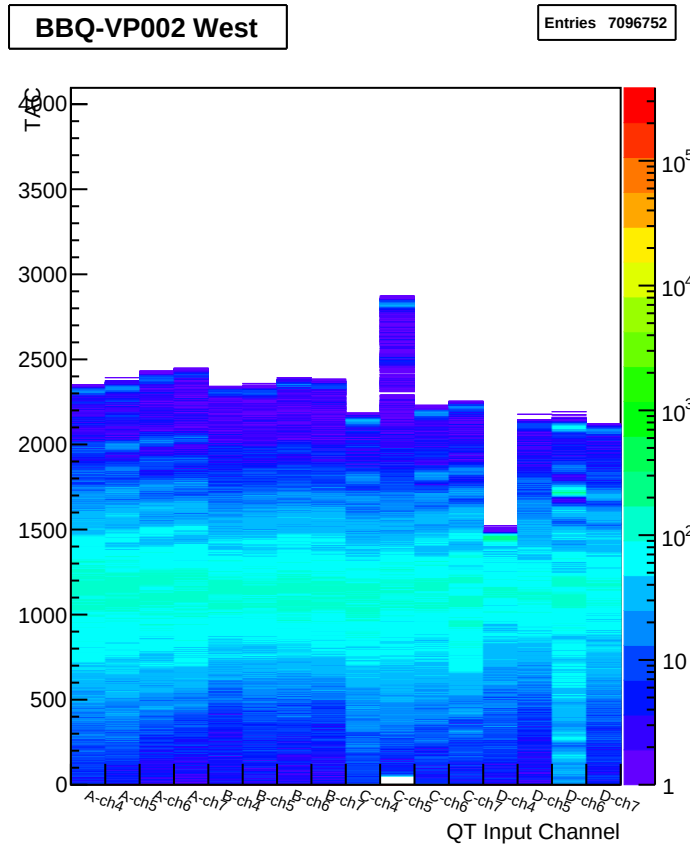

BBQ-ZD001 (ZDC TOWER)
Entries 7096752
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

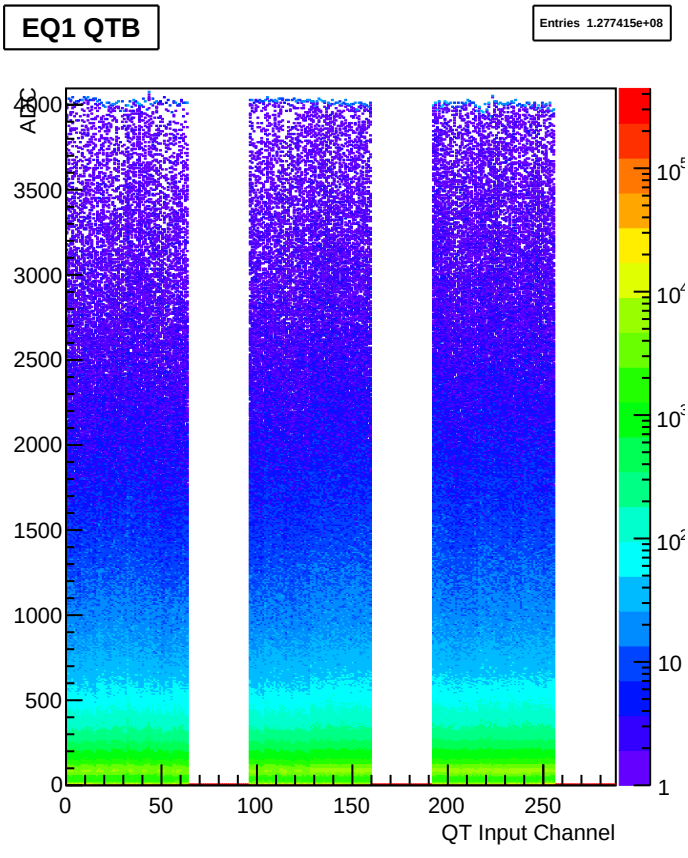

BBQ-ZD001 (ZDC TOWER)
Entries 7096752
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

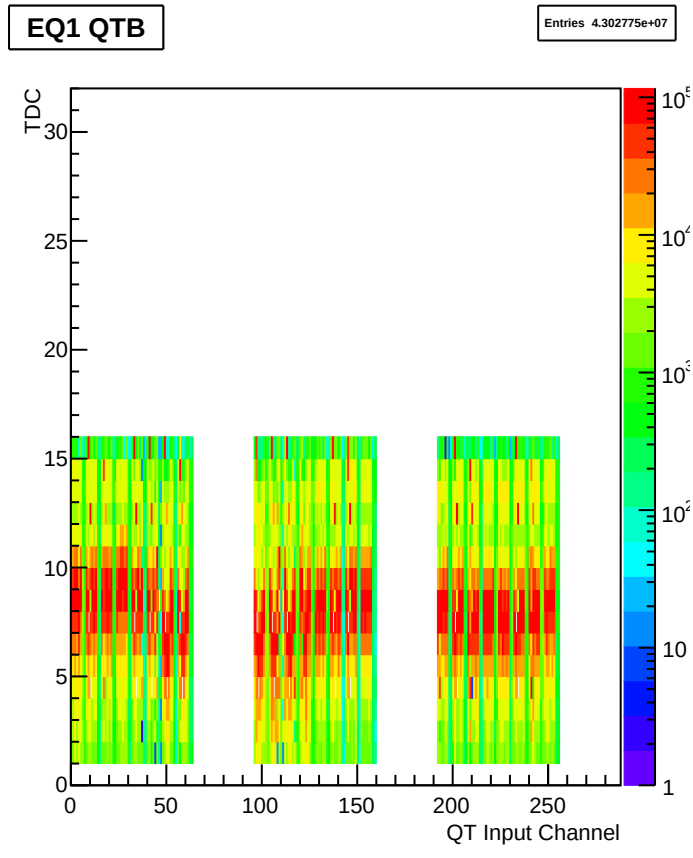

BBQ-VP001 East
Entries 7096752
ADC
QT Input Channel

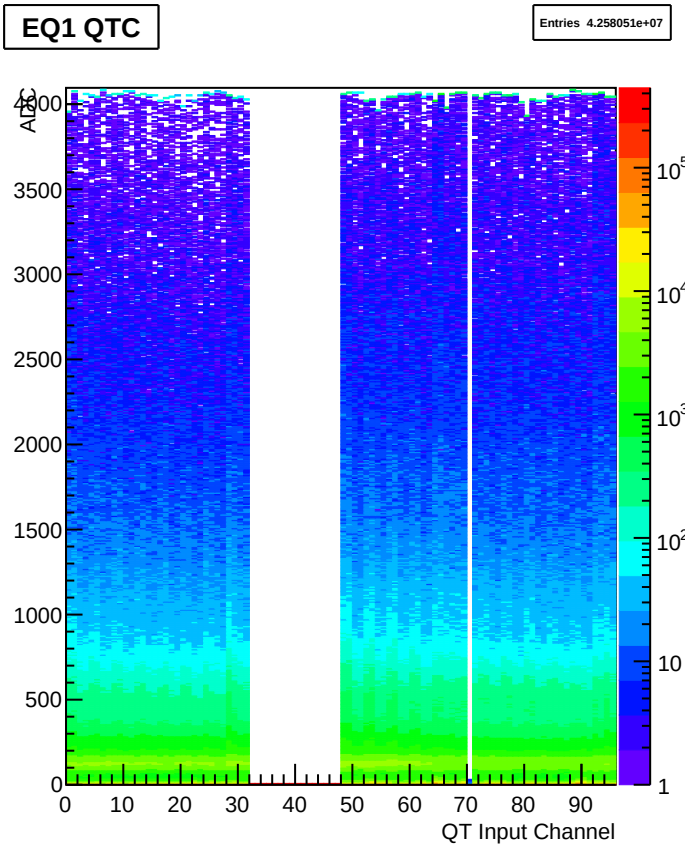

BBQ-VP001 East
Entries 7096752
TADC
QT Input Channel

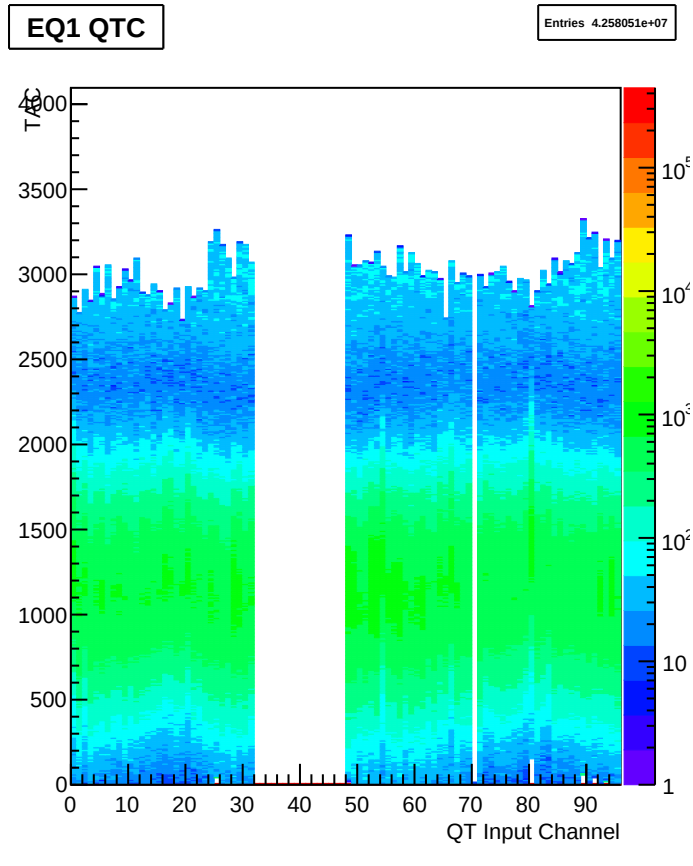

BBQ-VP002 West
Entries 7096752
ADC
QT Input Channel

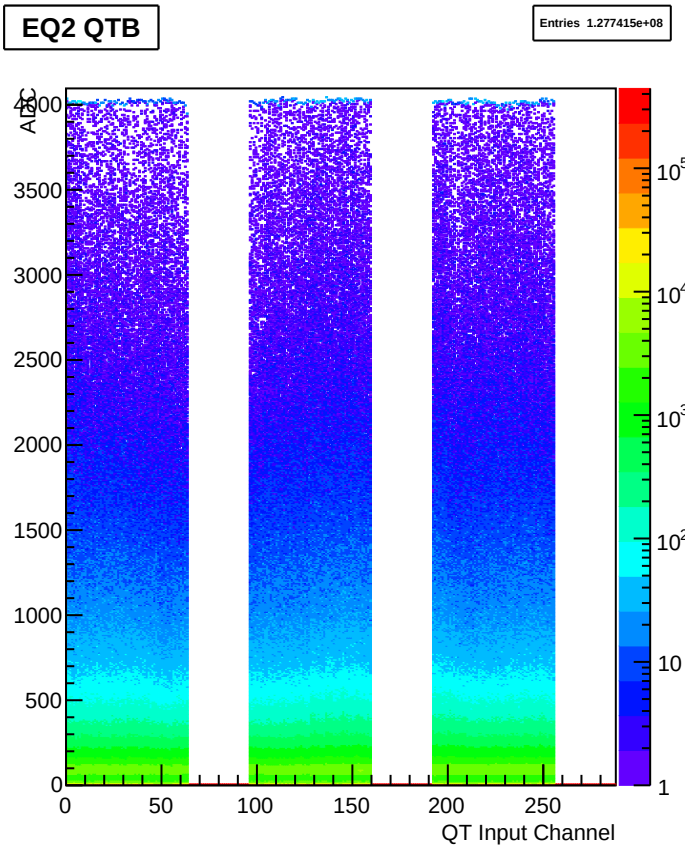

BBQ-VP002 West
Entries 7096752
TADC
QT Input Channel

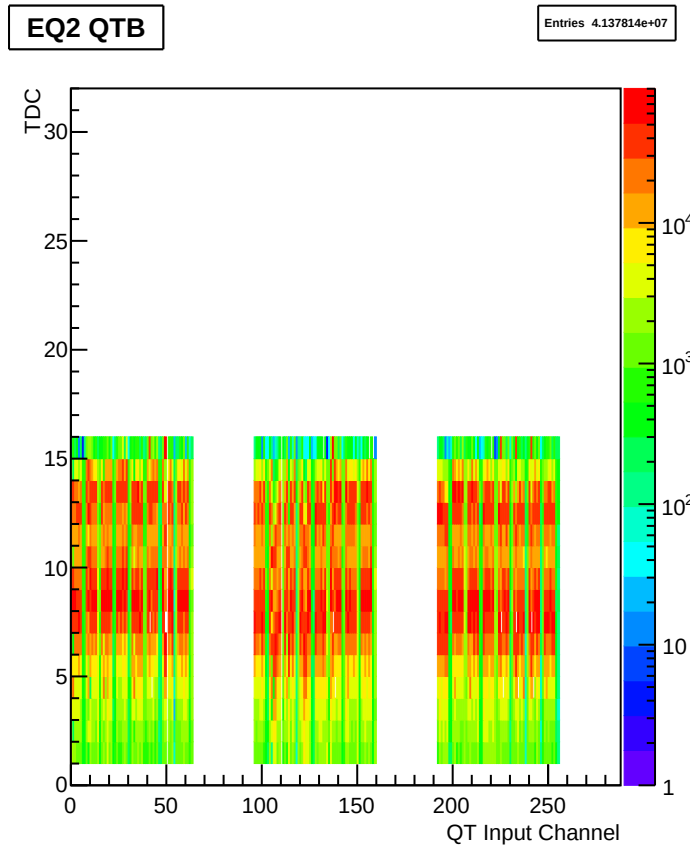

EQ1 QTB
Entries 1.277415e+08
ADC
QT Input Channel

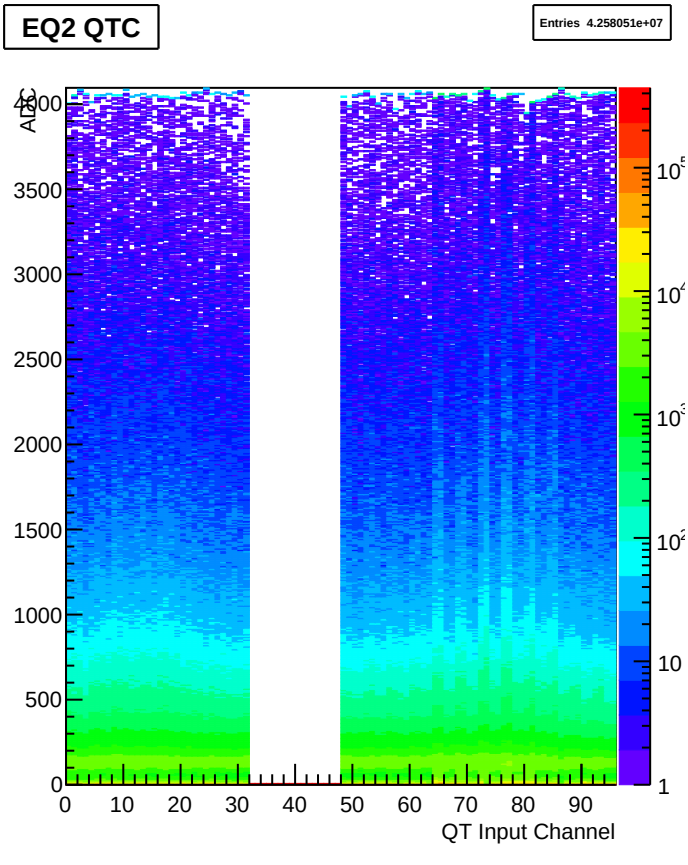

EQ1 QTB
Entries 4.302775e+07
TDC
QT Input Channel

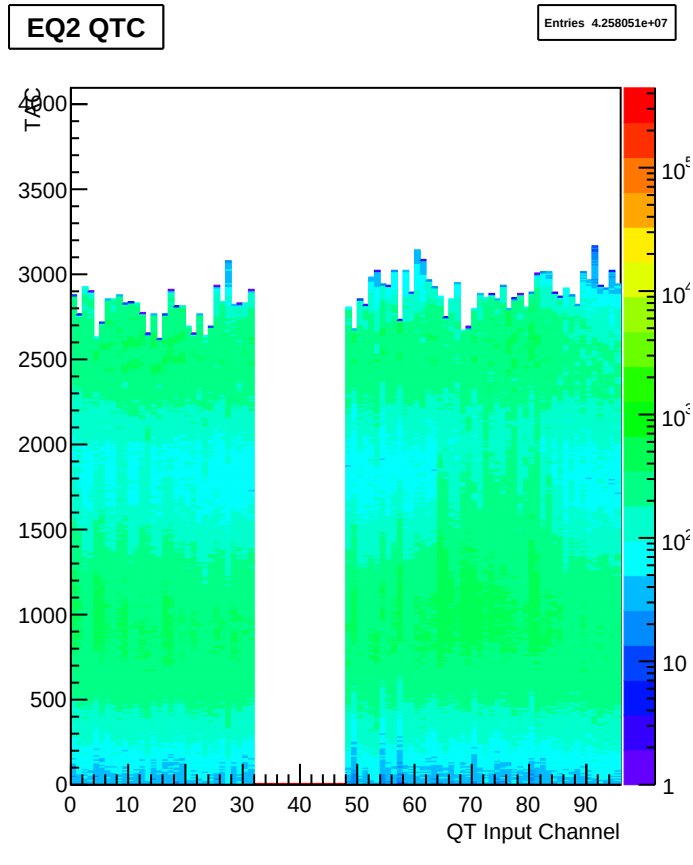

EQ1 QTC
Entries 4.258051e+07
ADC
QT Input Channel

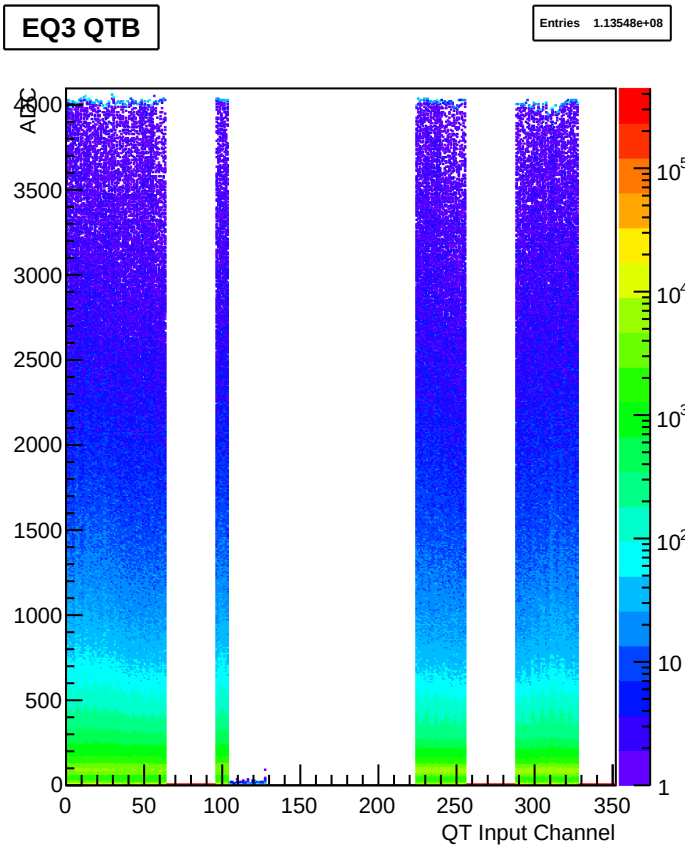

EQ1 QTC
Entries 4.258051e+07
TADC
QT Input Channel

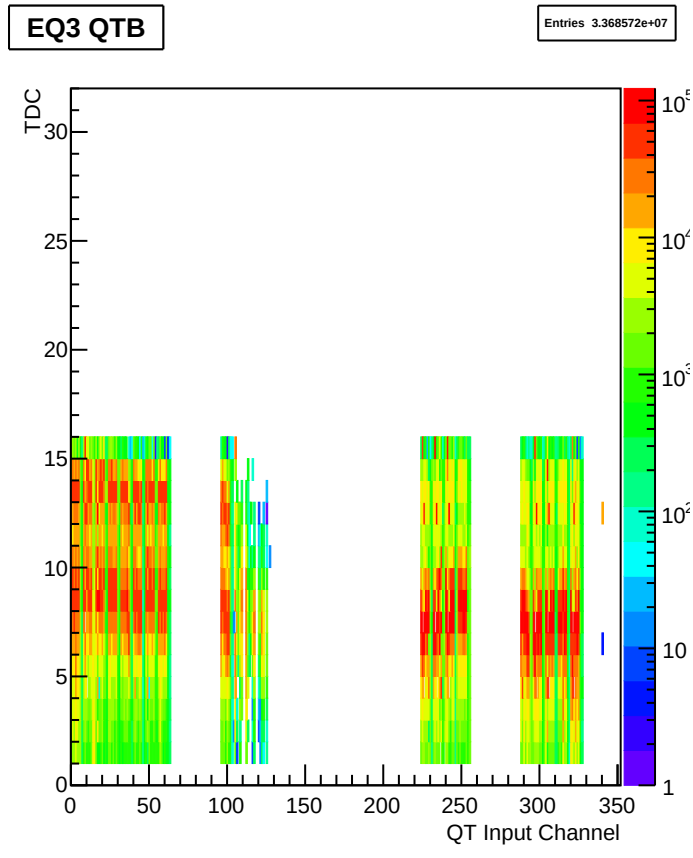

EQ2 QTB
Entries 1.277415e+08
ADC
QT Input Channel

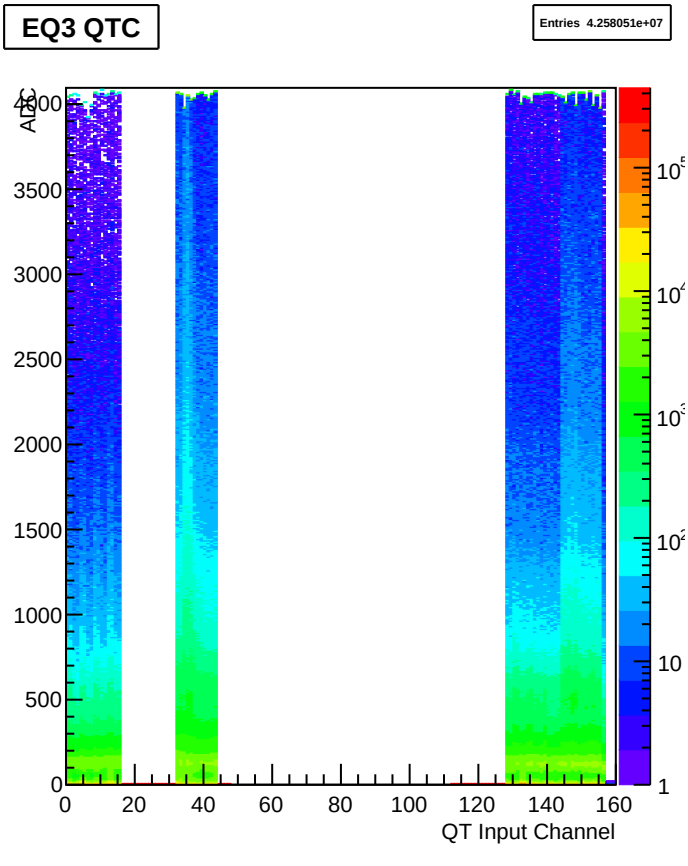

EQ2 QTB
Entries 4.137814e+07
TDC
QT Input Channel

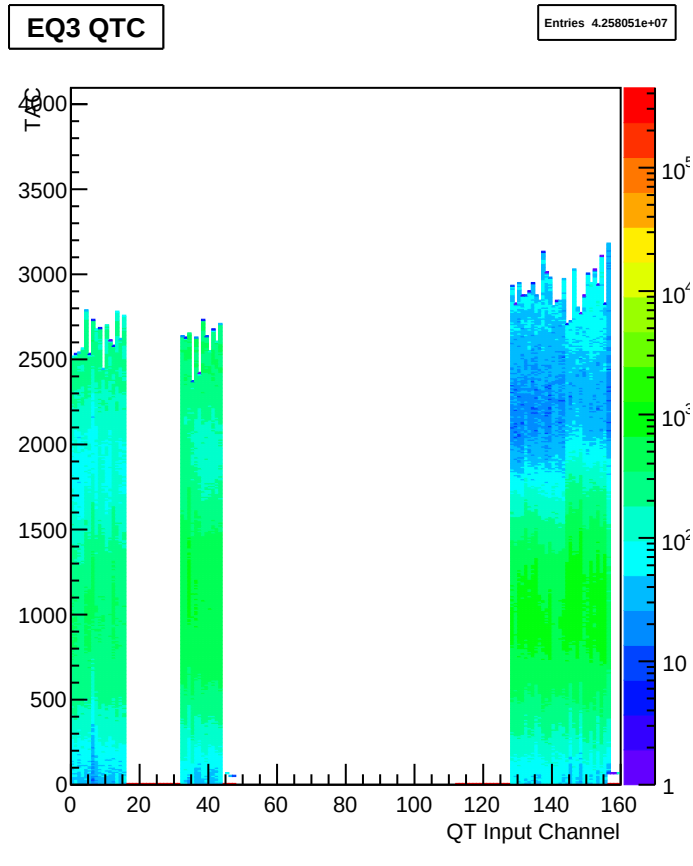

EQ2 QTC
Entries 4.258051e+07
ADC
QT Input Channel

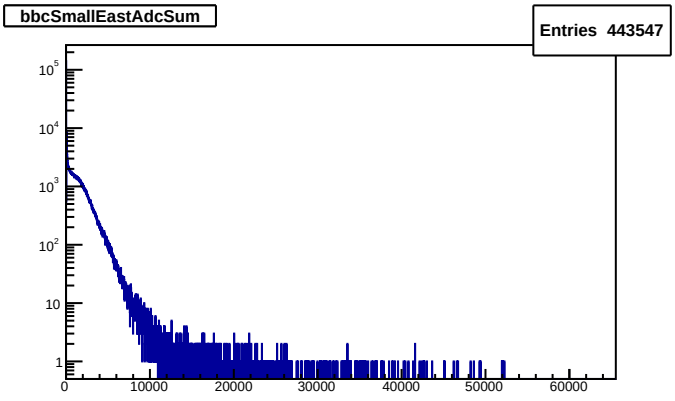

EQ2 QTC
Entries 4.258051e+07
TADC
QT Input Channel

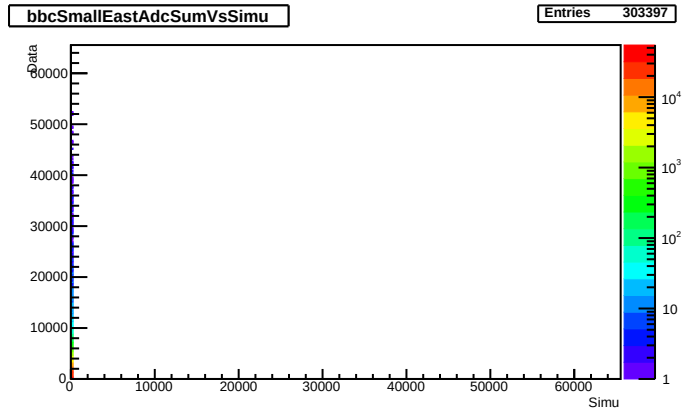

EQ3 QTB
Entries 1.13548e+08
ADC
QT Input Channel

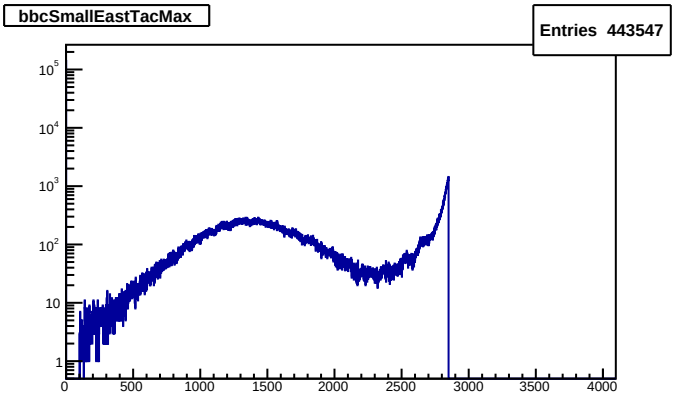

EQ3 QTB
Entries 3.368572e+07
TDC
QT Input Channel

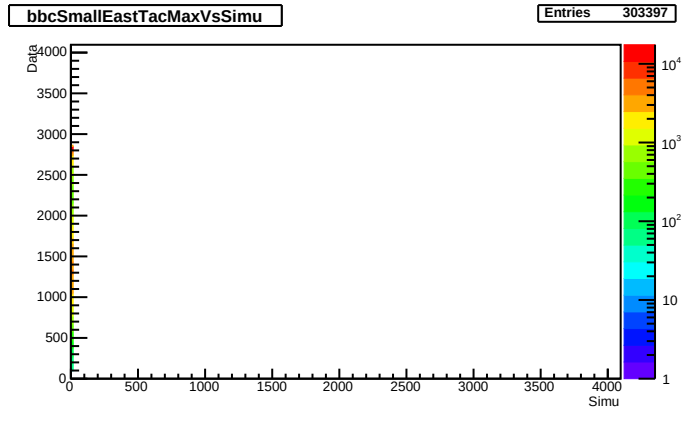

EQ3 QTC
Entries 4.258051e+07
ADC
QT Input Channel


EQ3 QTC
Entries 4.258051e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 443547


bbcSmallEastAdcSumVsSimu
Entries 303397
Data
Simu


bbcSmallEastTacMax
Entries 443547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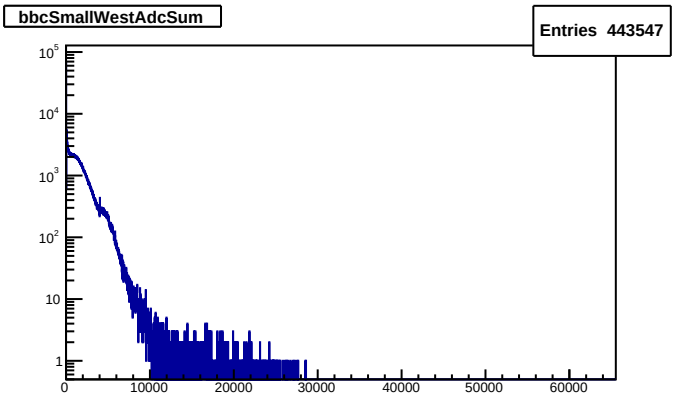
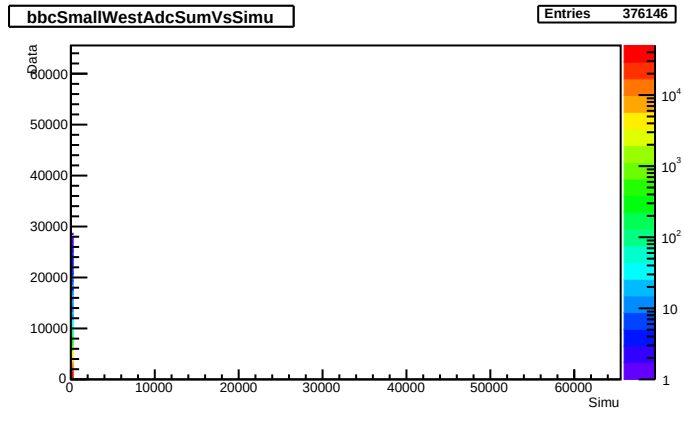
Entries 303397
Data
Simu


bbcSmallWestAdcSum
Entries 443547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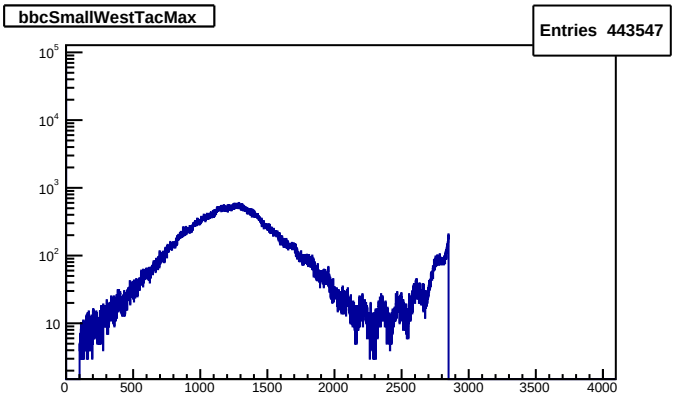
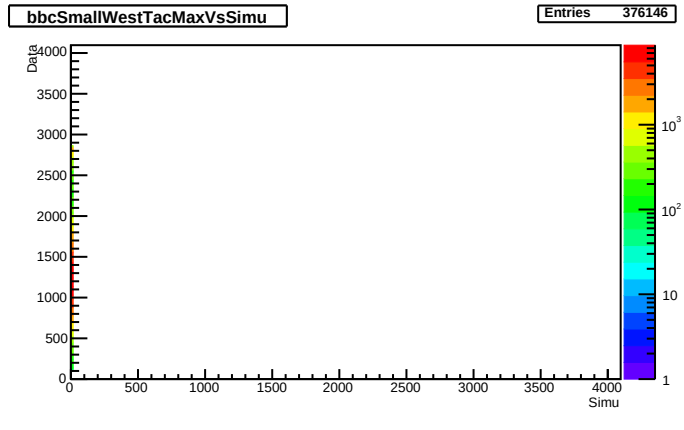
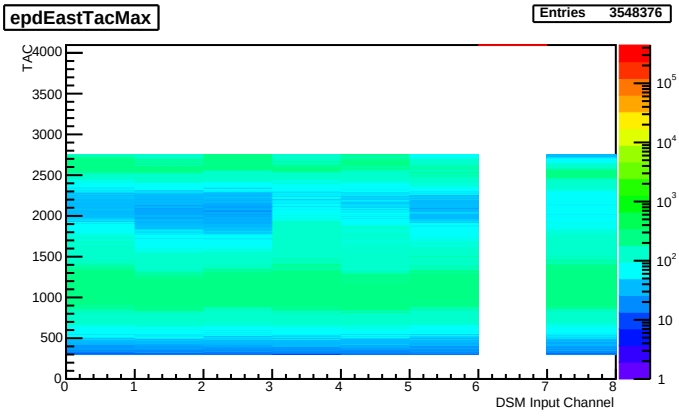
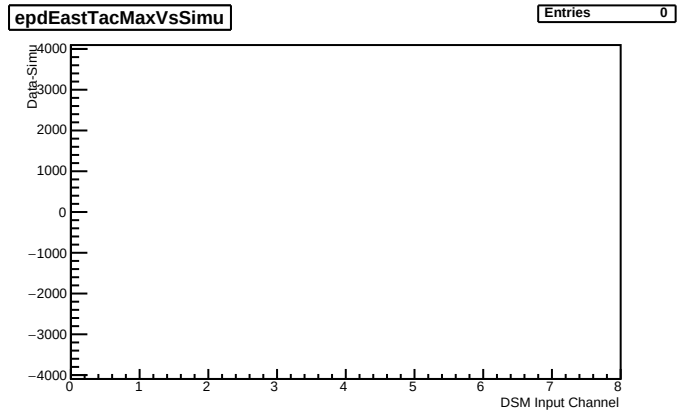
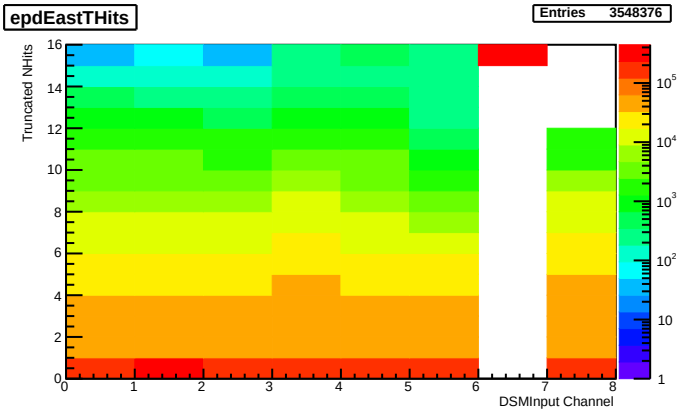
Entries 376146
Data
Simu

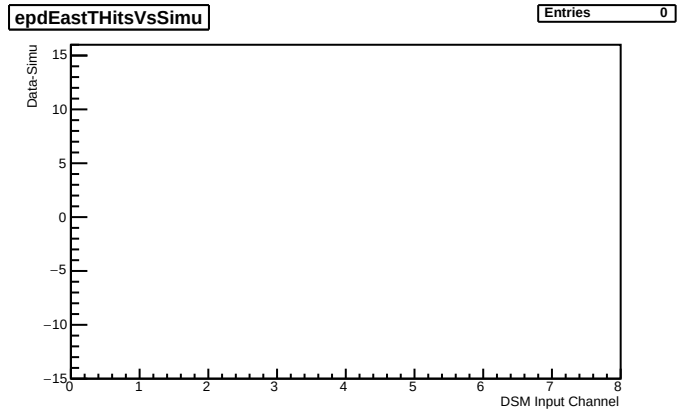

bbcSmallWestTacMax
Entries 443547


bbcSmallWestTacMaxVsSimu
Entries 376146
Data
Simu


epdEastTacMax
Entries 3548376
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3548376
Truncated NHits
DSMInput Channel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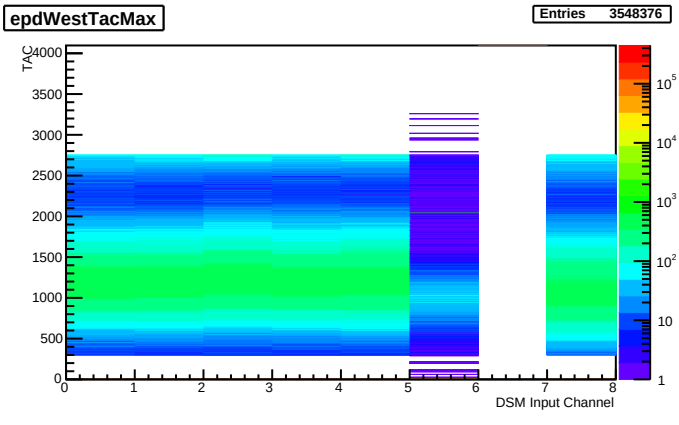
Data-Simu
DSM Input Channel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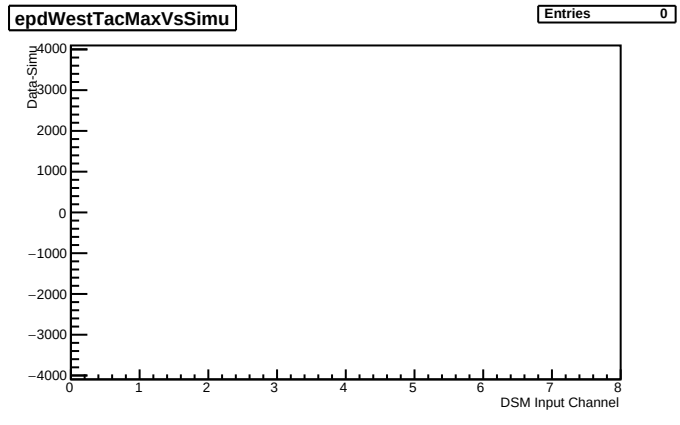
Entries 3548376
TAC
DSM Input Channel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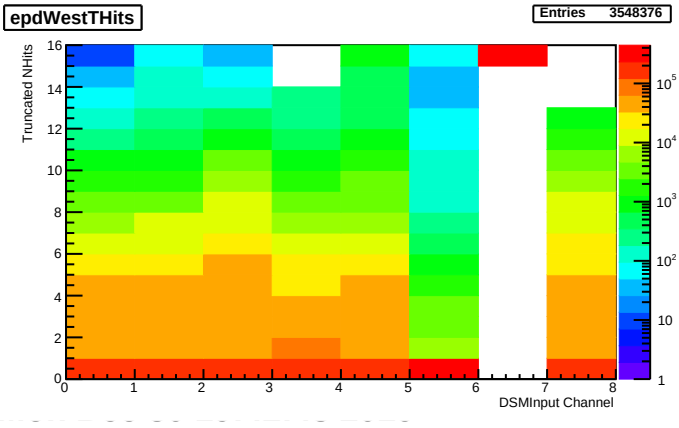
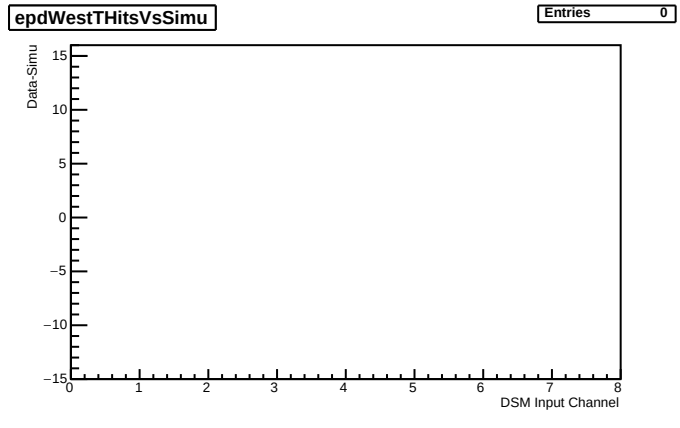
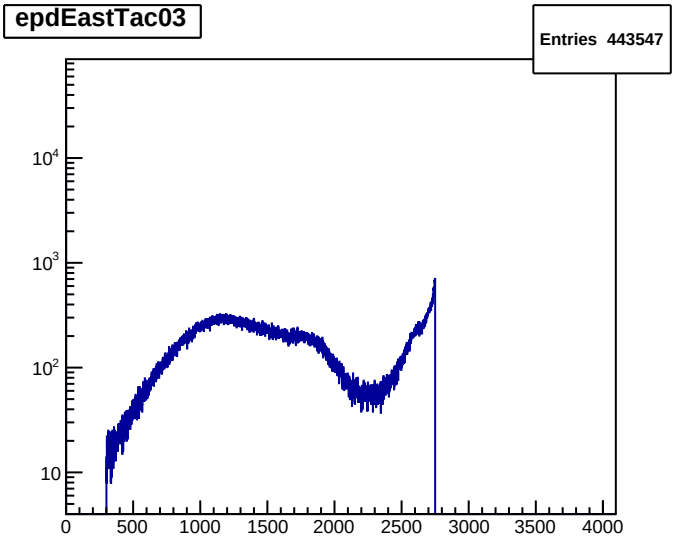
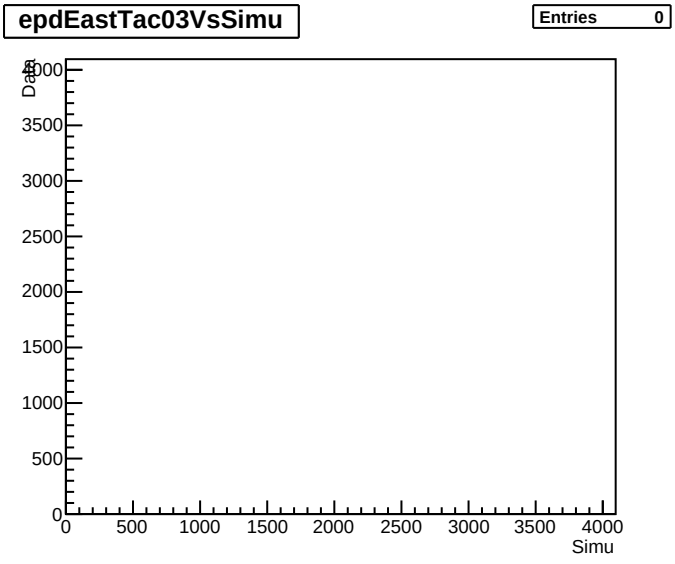
Data-Simu
DSM Input Channel


epdWestTHits
Entries 3548376
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 443547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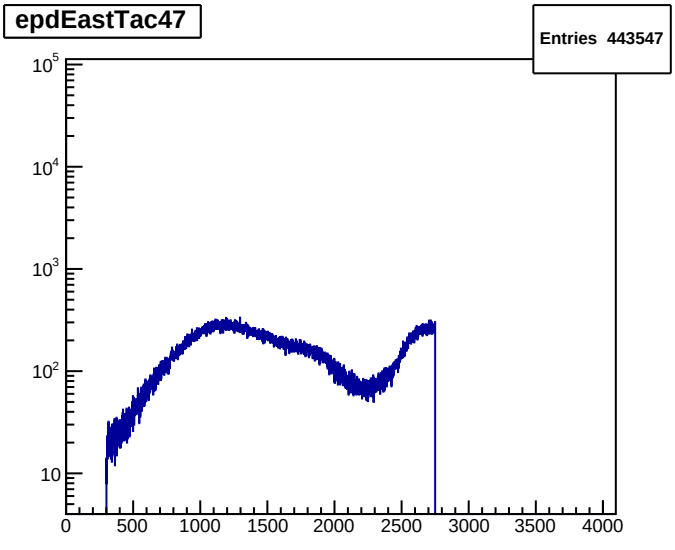
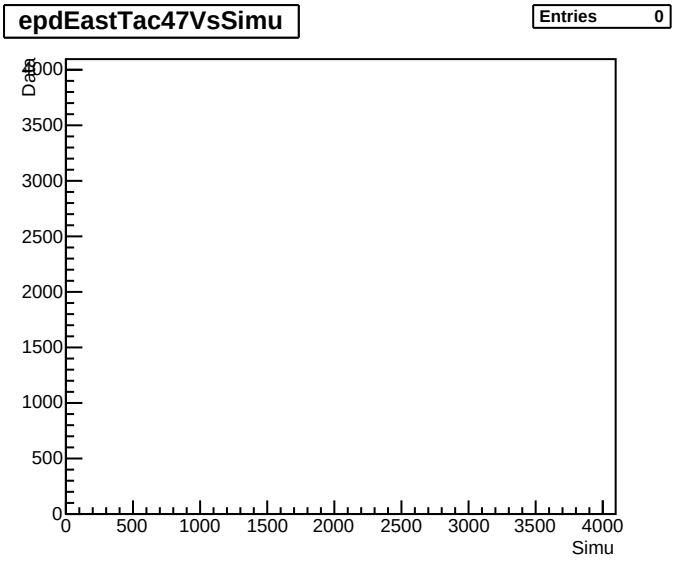
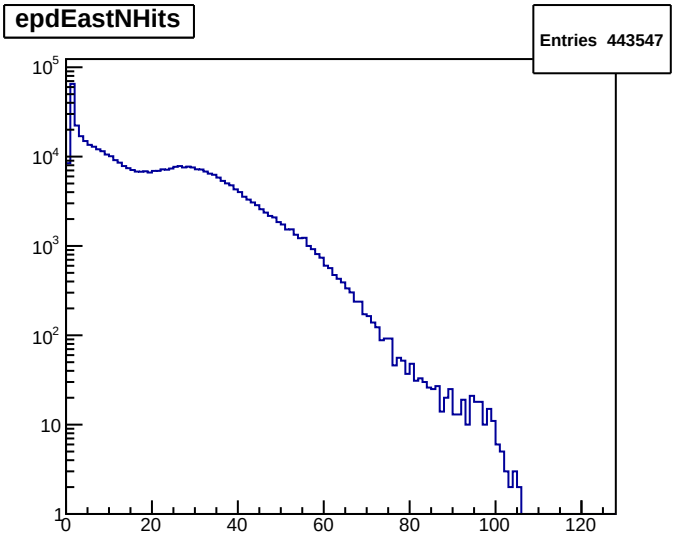
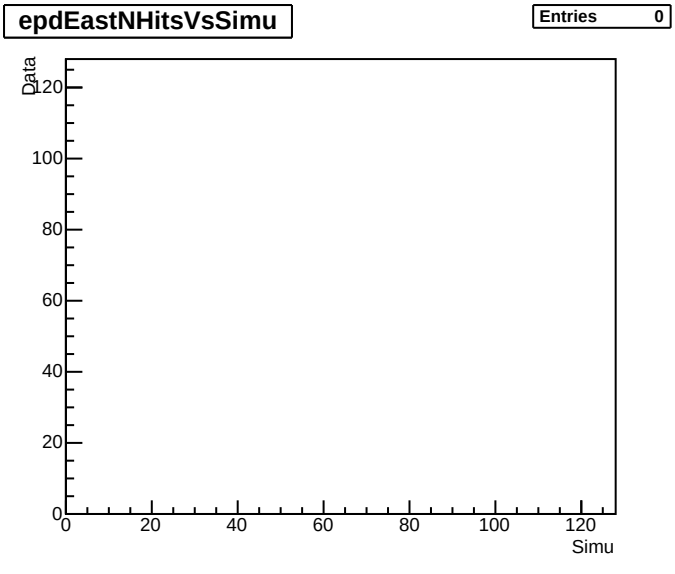
Entries 0
Data
Simu


epdEastTac47
Entries 443547


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 443547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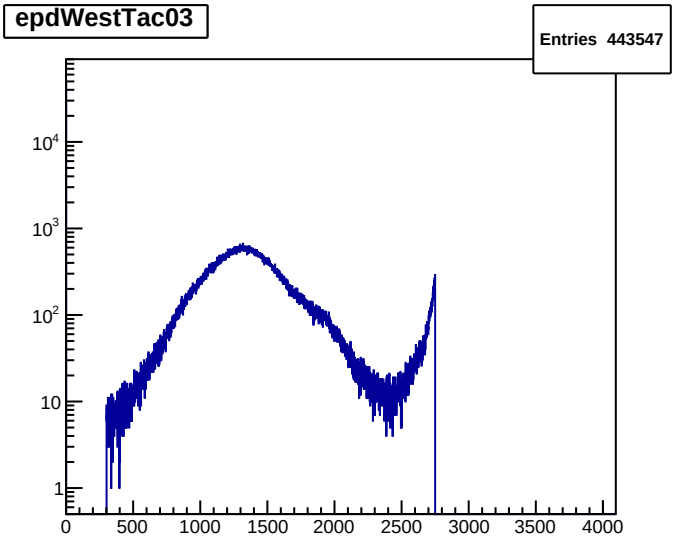
Entries 0
Data
Simu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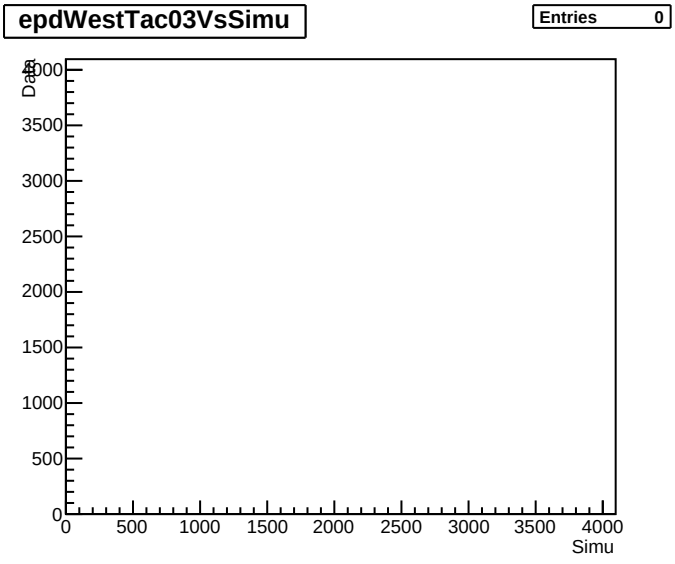
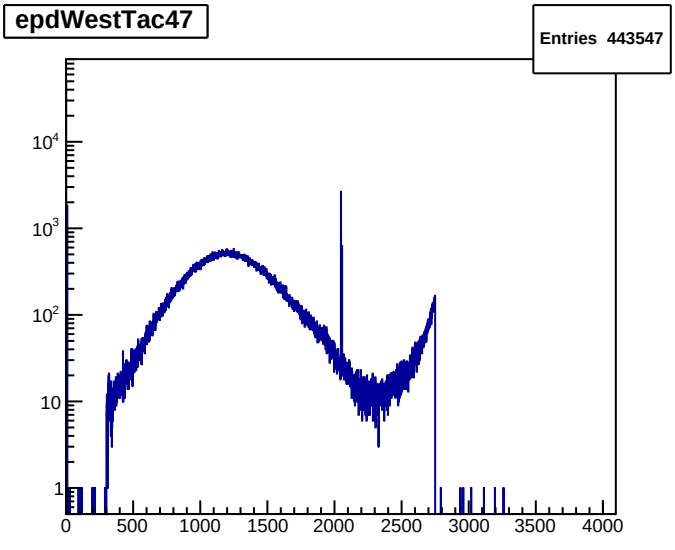
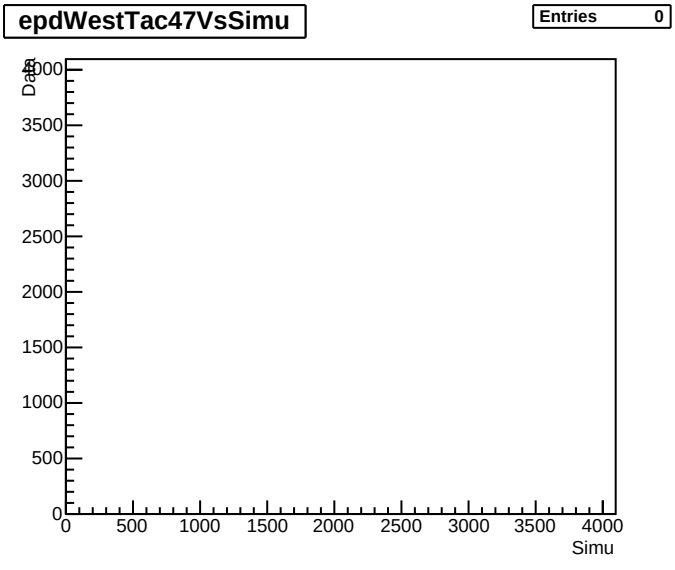
Entries 443547


epdWestTac03VsSimu
Entries 0
Data
Simu


epdWestTac47
Entries 443547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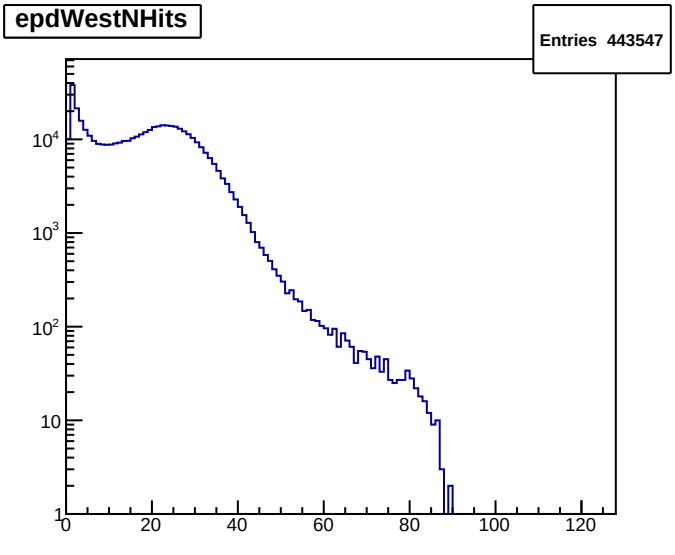
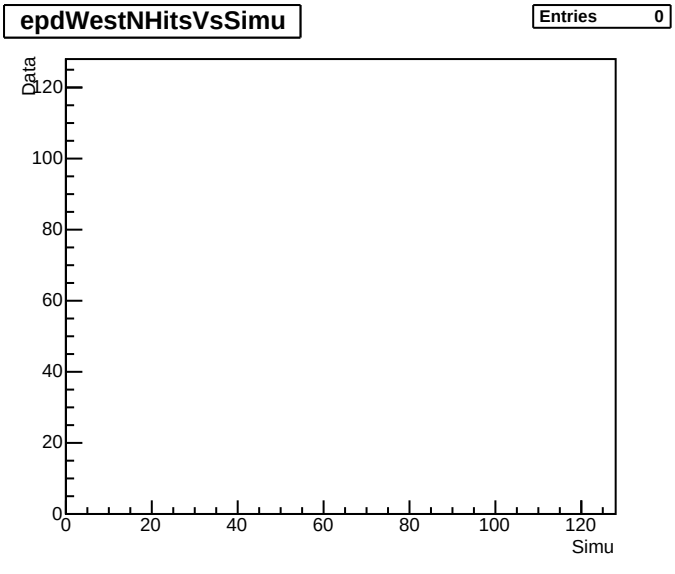
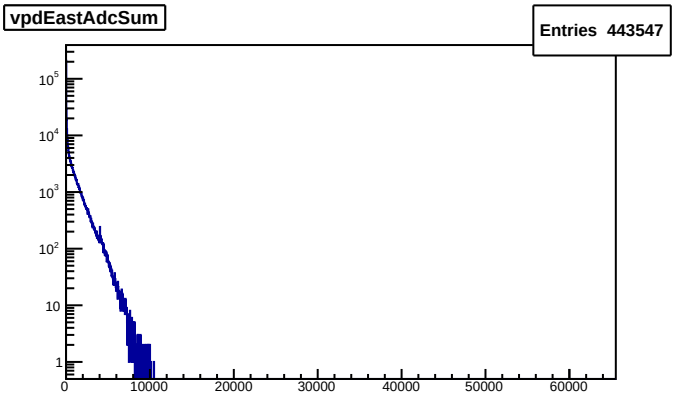
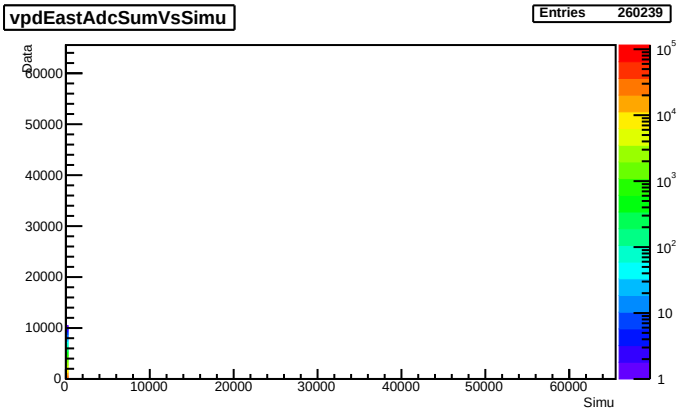
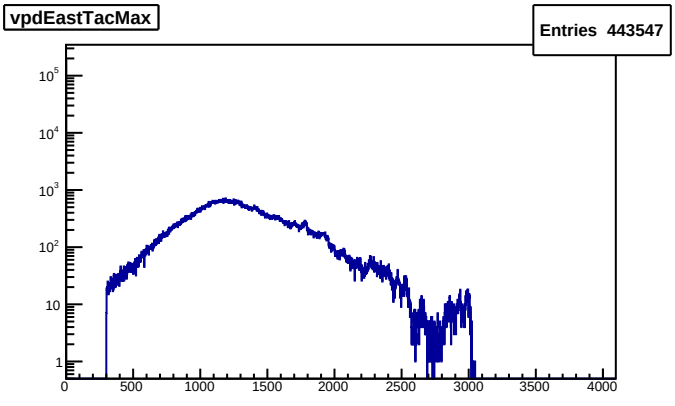
Entries 0
Data
Simu

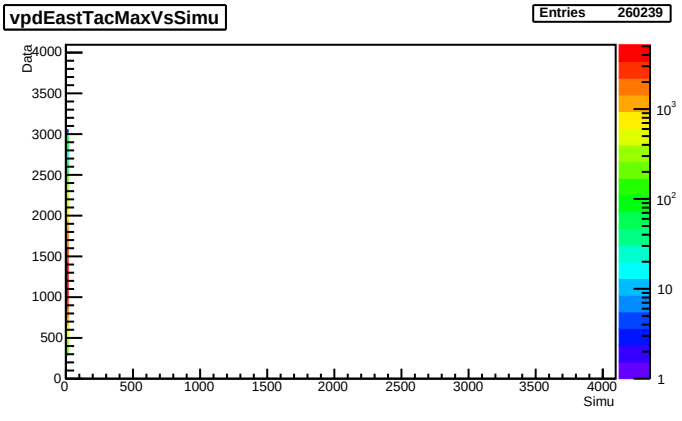

epdWestNHits
Entries 443547

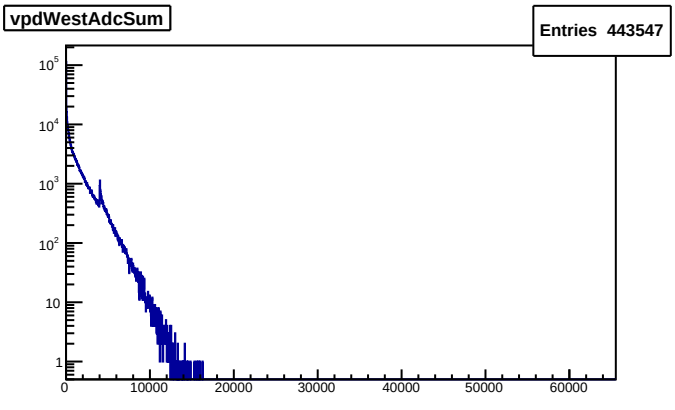

epdWestNHitsVsSimu
Entries 0
Data
Simu

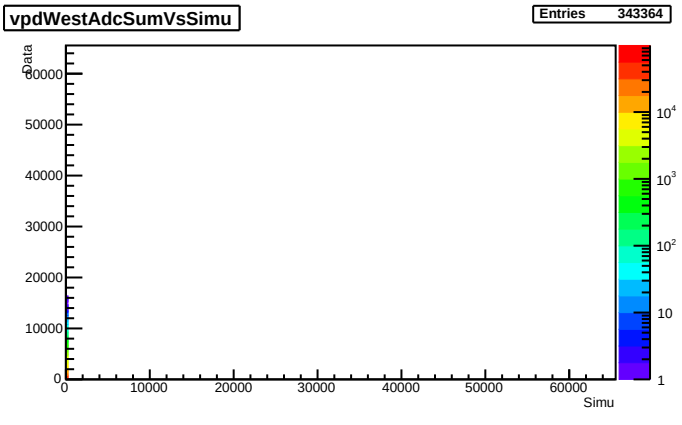

vpdEastAdcSum
Entries 443547

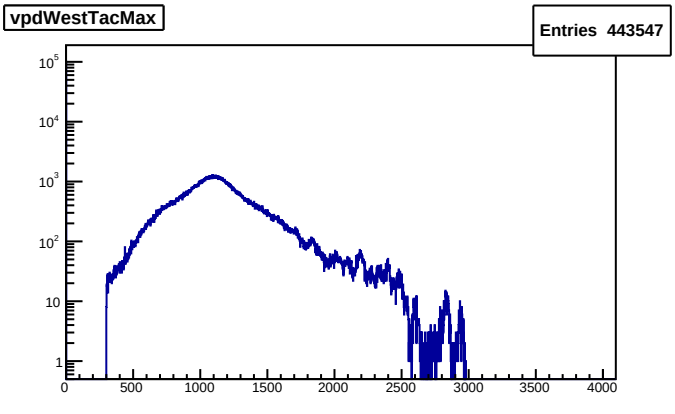

vpdEastAdcSumVsSimu
Entries 260239
Data
Simu

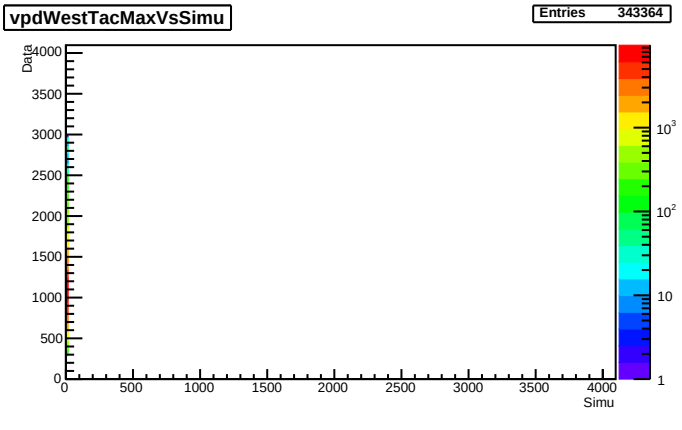

vpdEastTacMax
Entries 443547

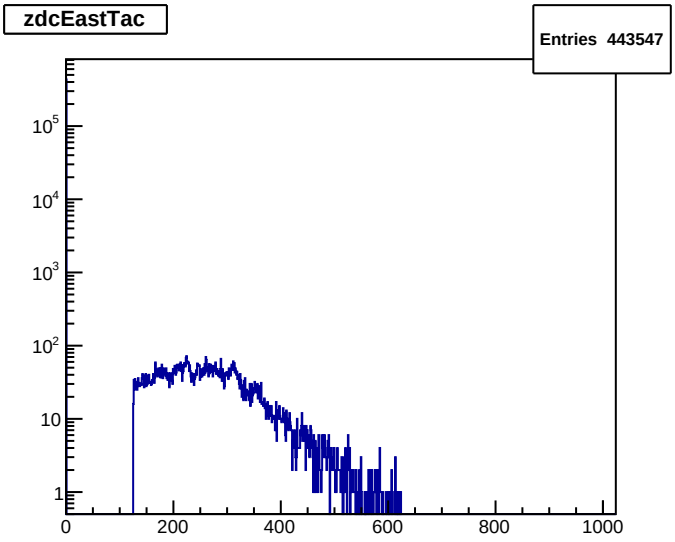

vpdEastTacMaxVsSimu
Entries 260239
Data
Simu

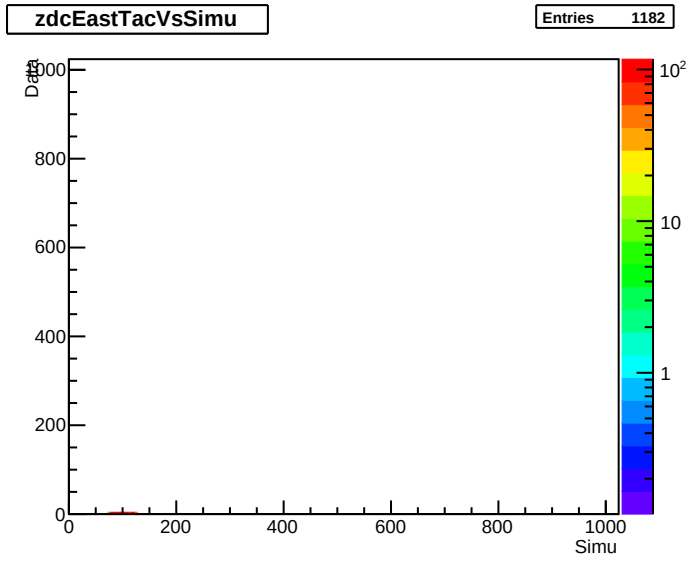

vpdWestAdcSum
Entries 443547

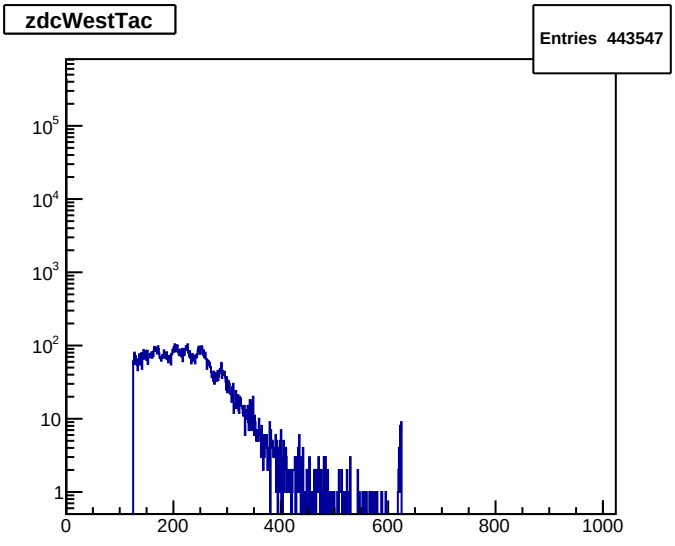

vpdWestAdcSumVsSimu
Entries 343364
Data
Simu

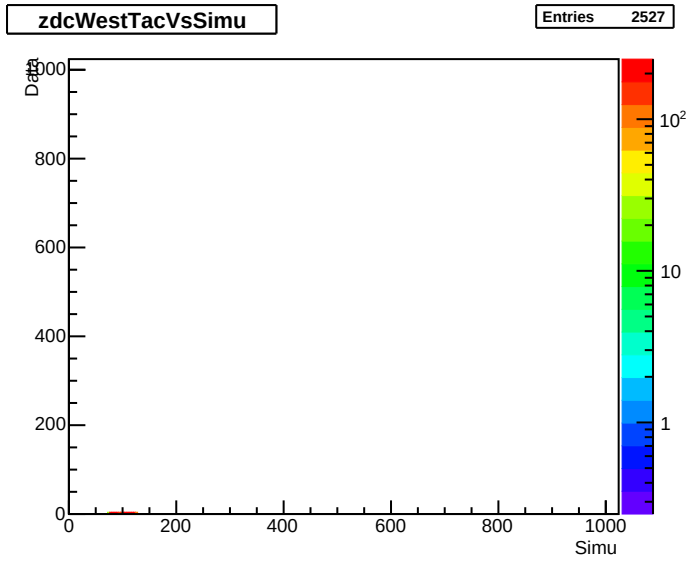

vpdWestTacMax
Entries 443547

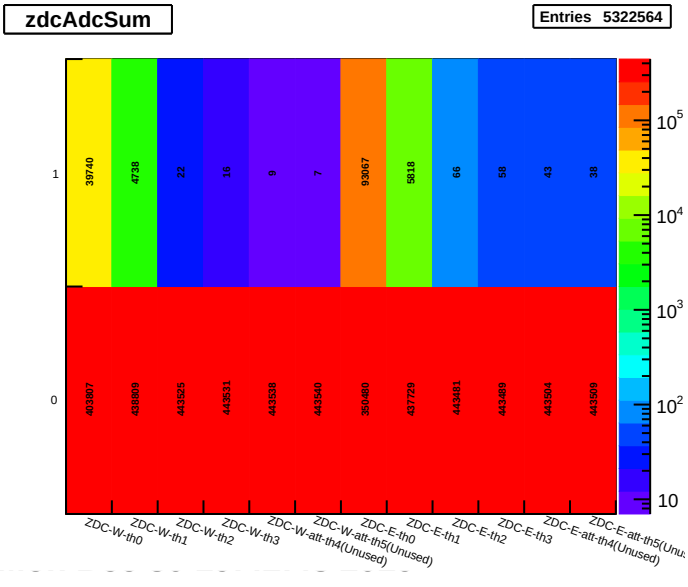

vpdWestTacMaxVsSimu
Entries 343364
Data
Simu

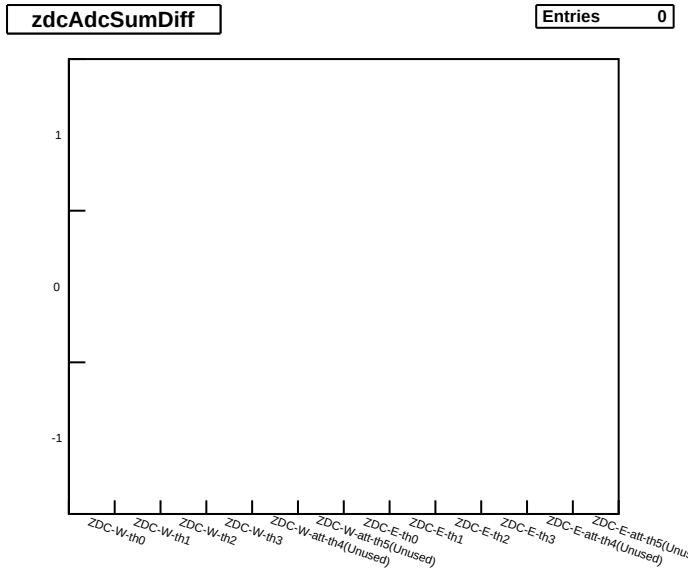

zdcEastTac
Entries 443547

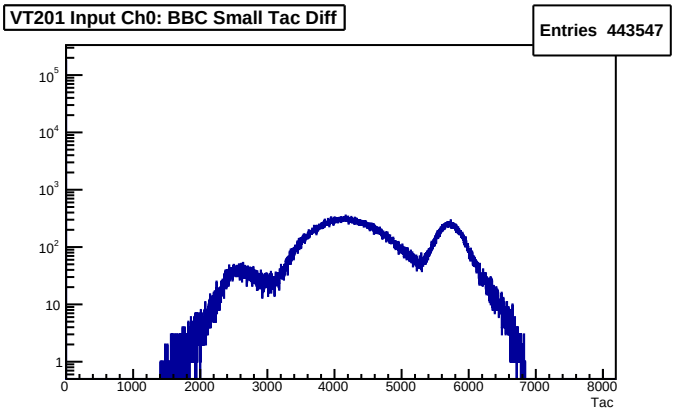

zdcEastTacVsSimu
Entries 1182
Data
Simu

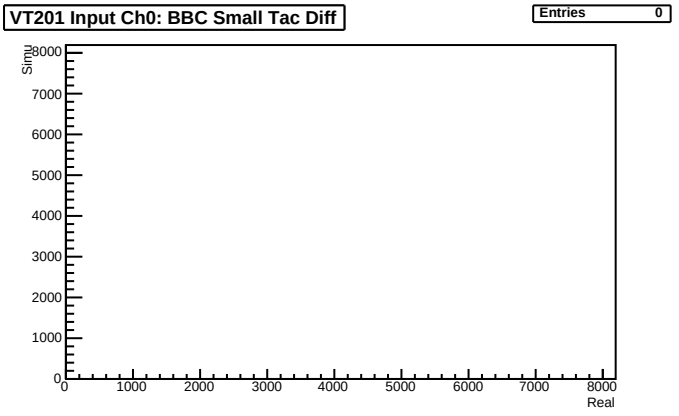

zdcWestTac
Entries 443547

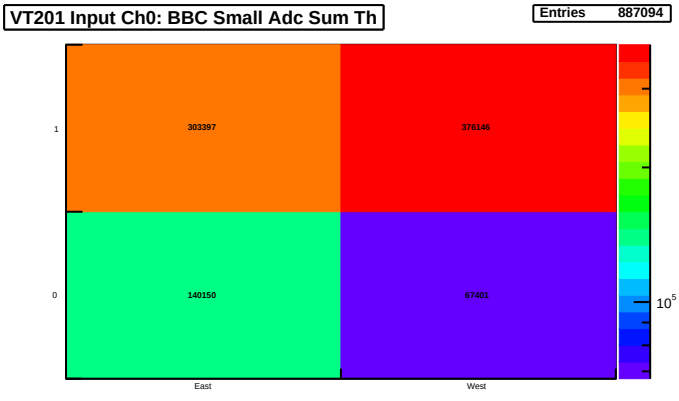

zdcWestTacVsSimu
Entries 2527
Data
Simu

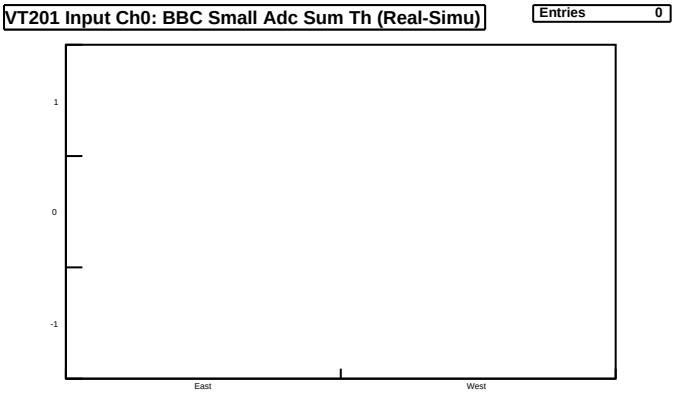

zdcAdcSum
Entries 5322564
39740
4738
22
16
9
7
93067
5818
66
58
43
38
403807
438809
443525
443531
443538
443540
350480
437729
443481
443489
443504
443509
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

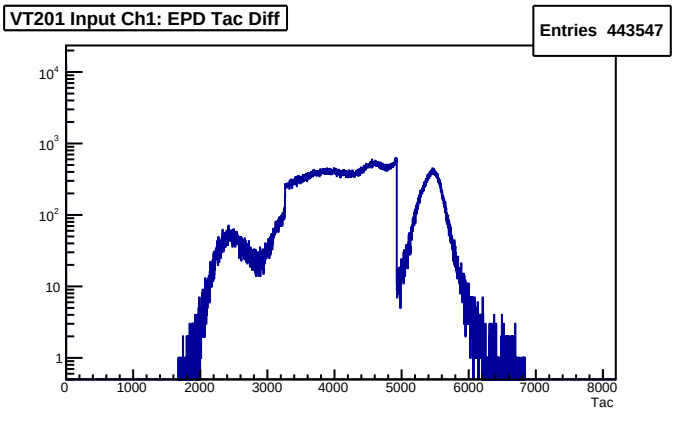

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

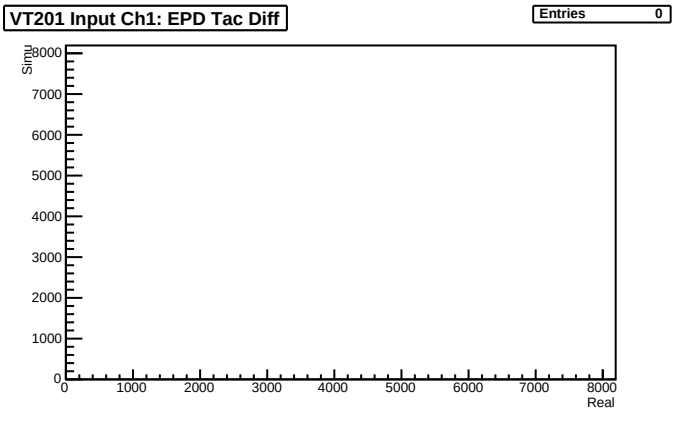

VT201 Input Ch0: BBC Small Tac Diff
Entries 443547
Tac

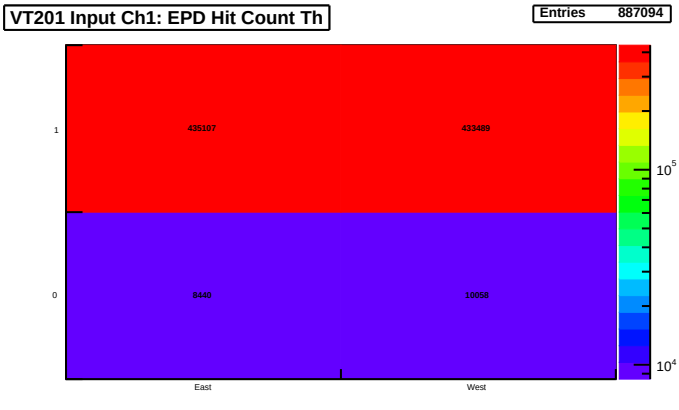

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

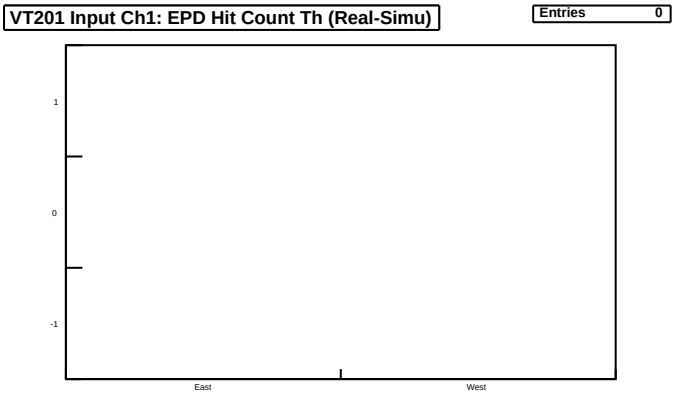

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 887094
303397
376146
140150
67401
East
West

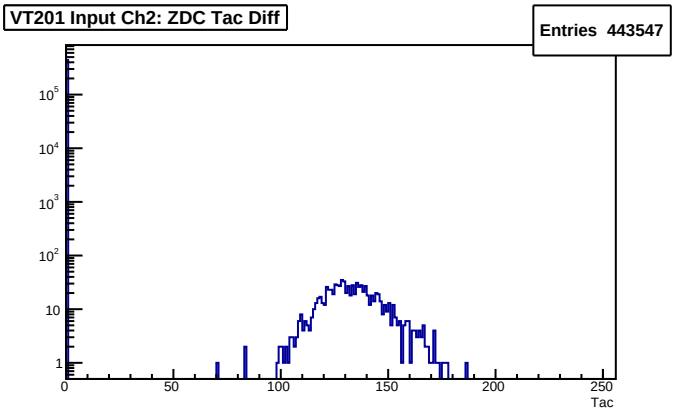

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

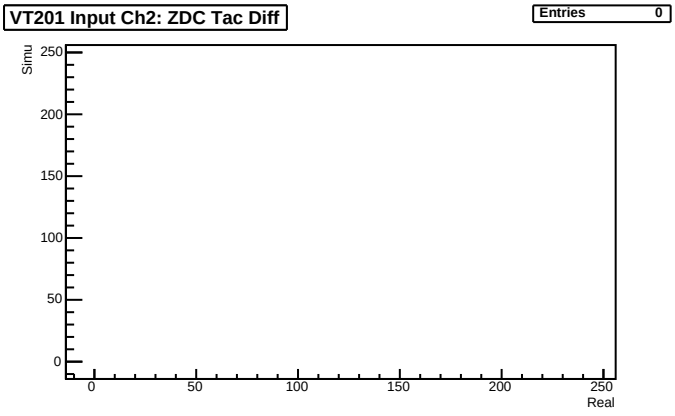

VT201 Input Ch1: EPD Tac Diff
Entries 443547
Tac

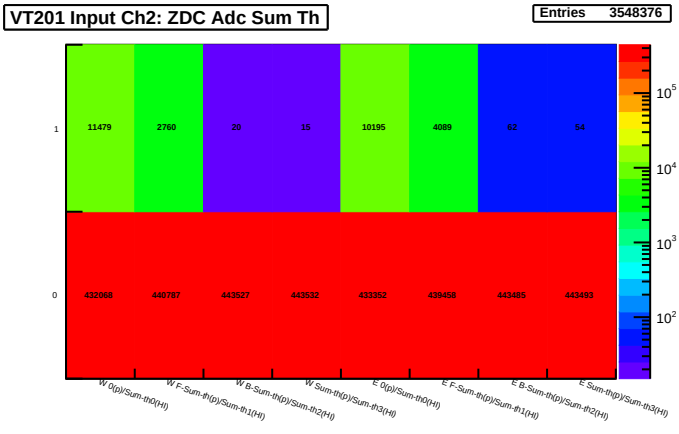

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

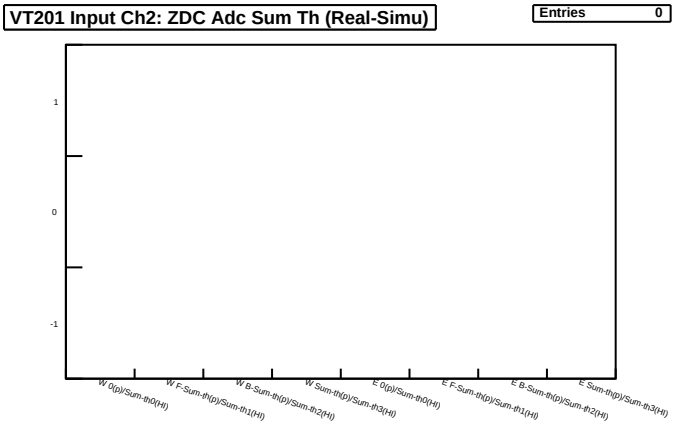

VT201 Input Ch1: EPD Hit Count Th
Entries 887094
435107
433489
8440
10058
East
West

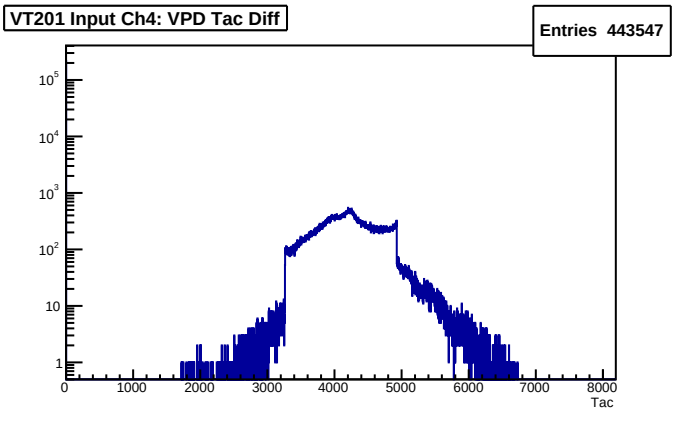

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

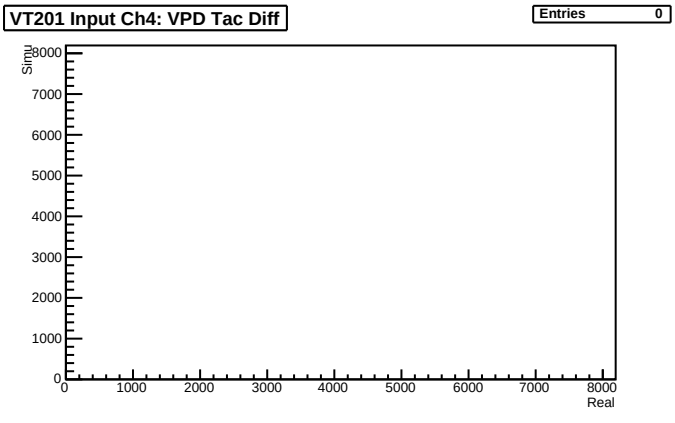

VT201 Input Ch2: ZDC Tac Diff
Entries 443547
Tac

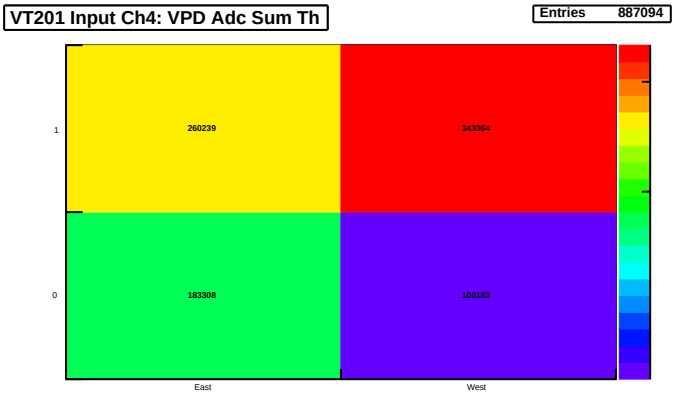

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

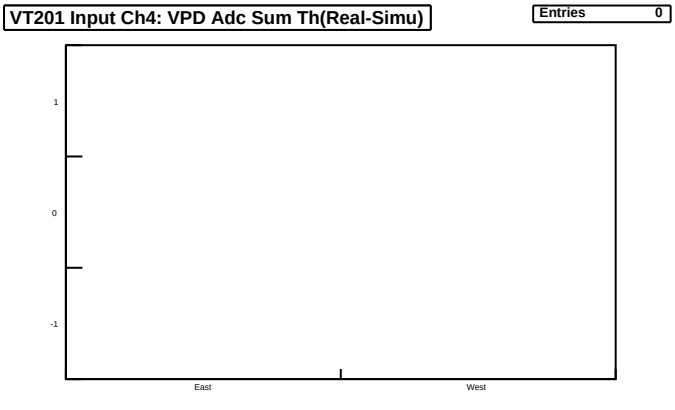

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3548376
11479
2760
20
15
10195
4089
62
54
432068
440787
443527
443532
433352
439458
443485
443493
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

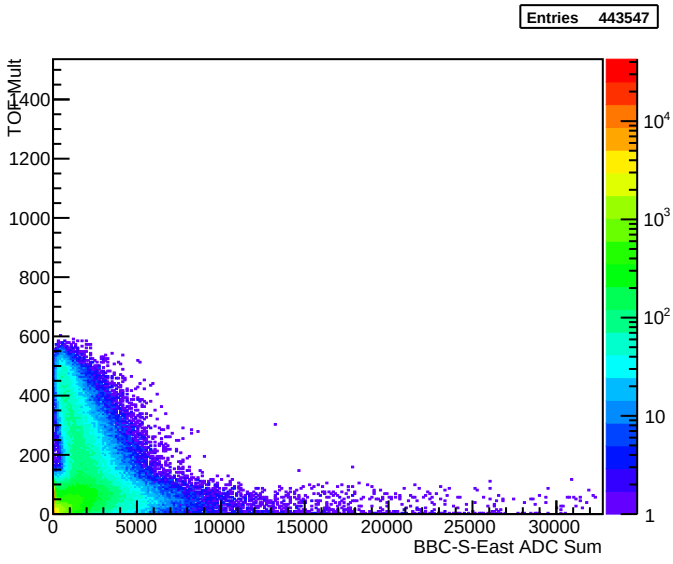

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

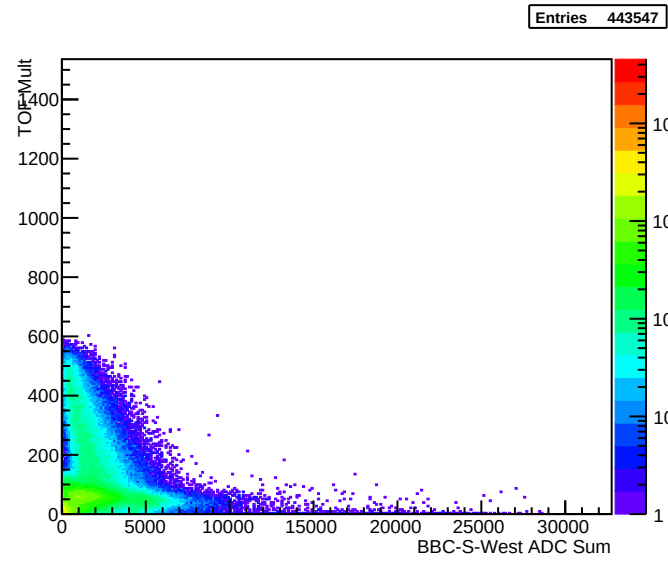

VT201 Input Ch4: VPD Tac Diff
Entries 443547
Tac

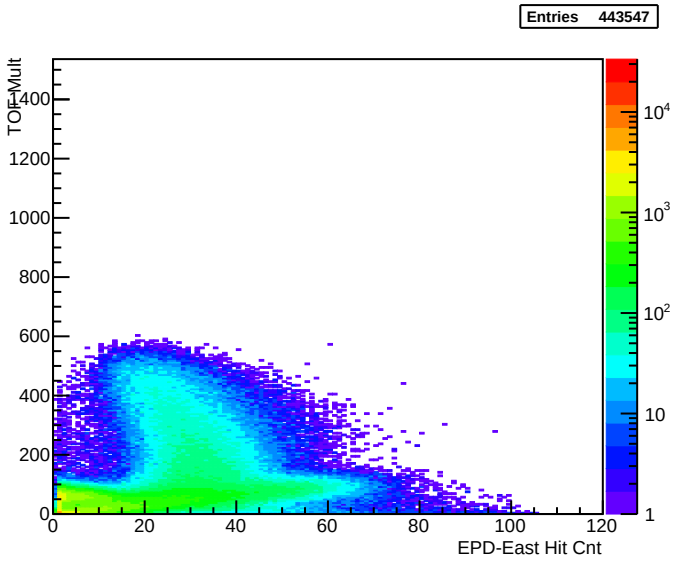

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

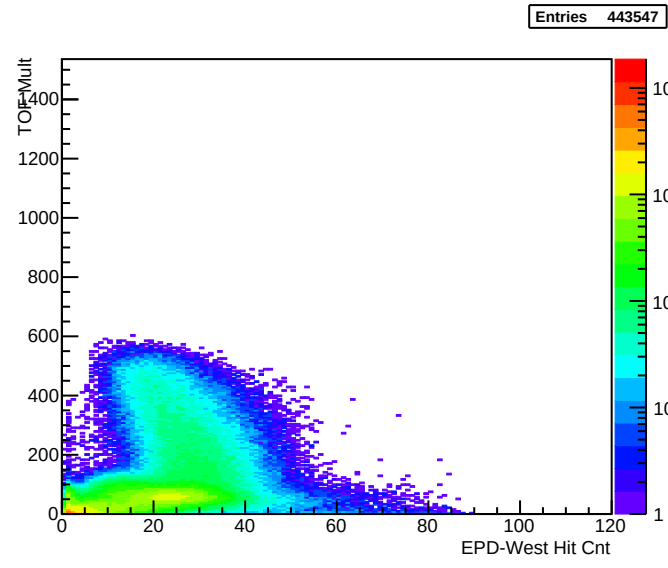

VT201 Input Ch4: VPD Adc Sum Th
Entries 887094
260239
343364
183308
100183
East
West

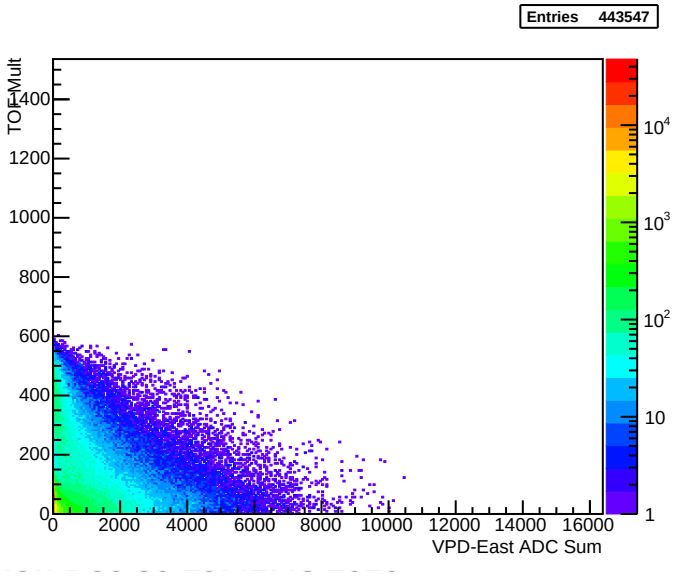

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

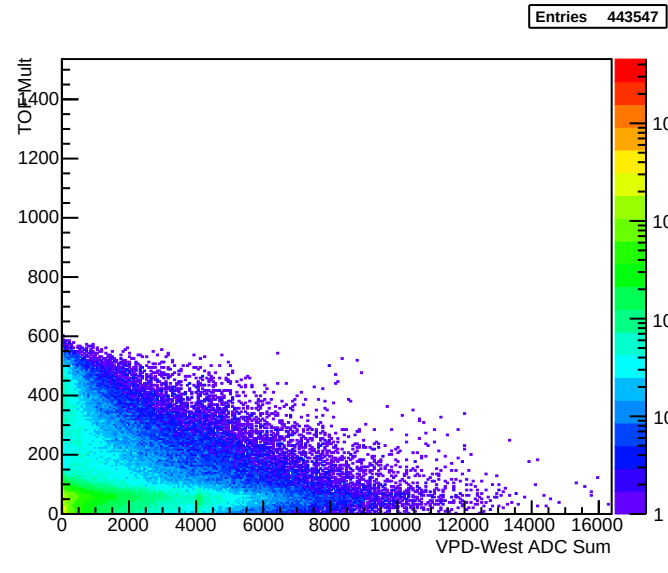

Entries 443547
TOF-Mult
BBC-S-East ADC Sum

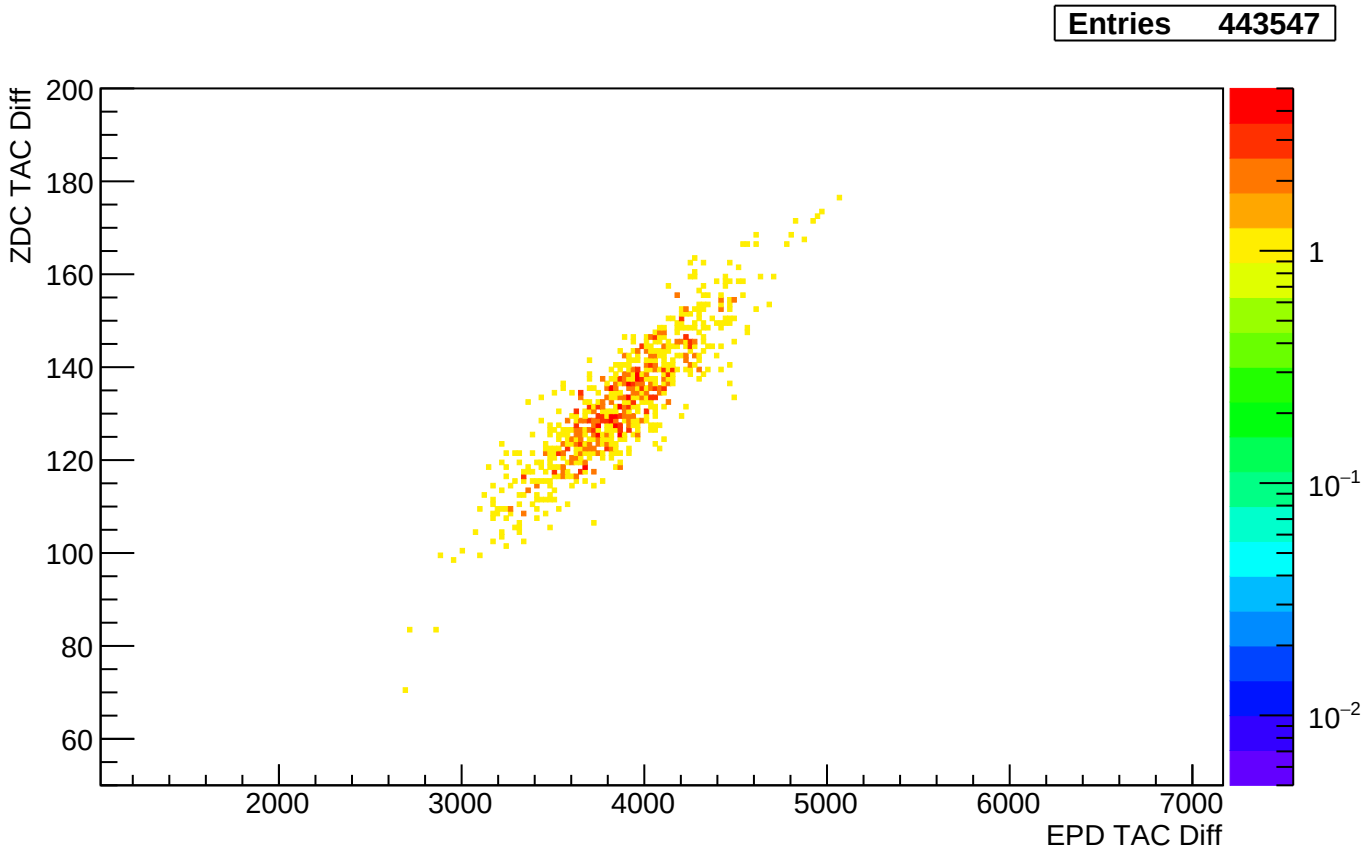

Entries 443547
TOF-Mult
BBC-S-West ADC Sum

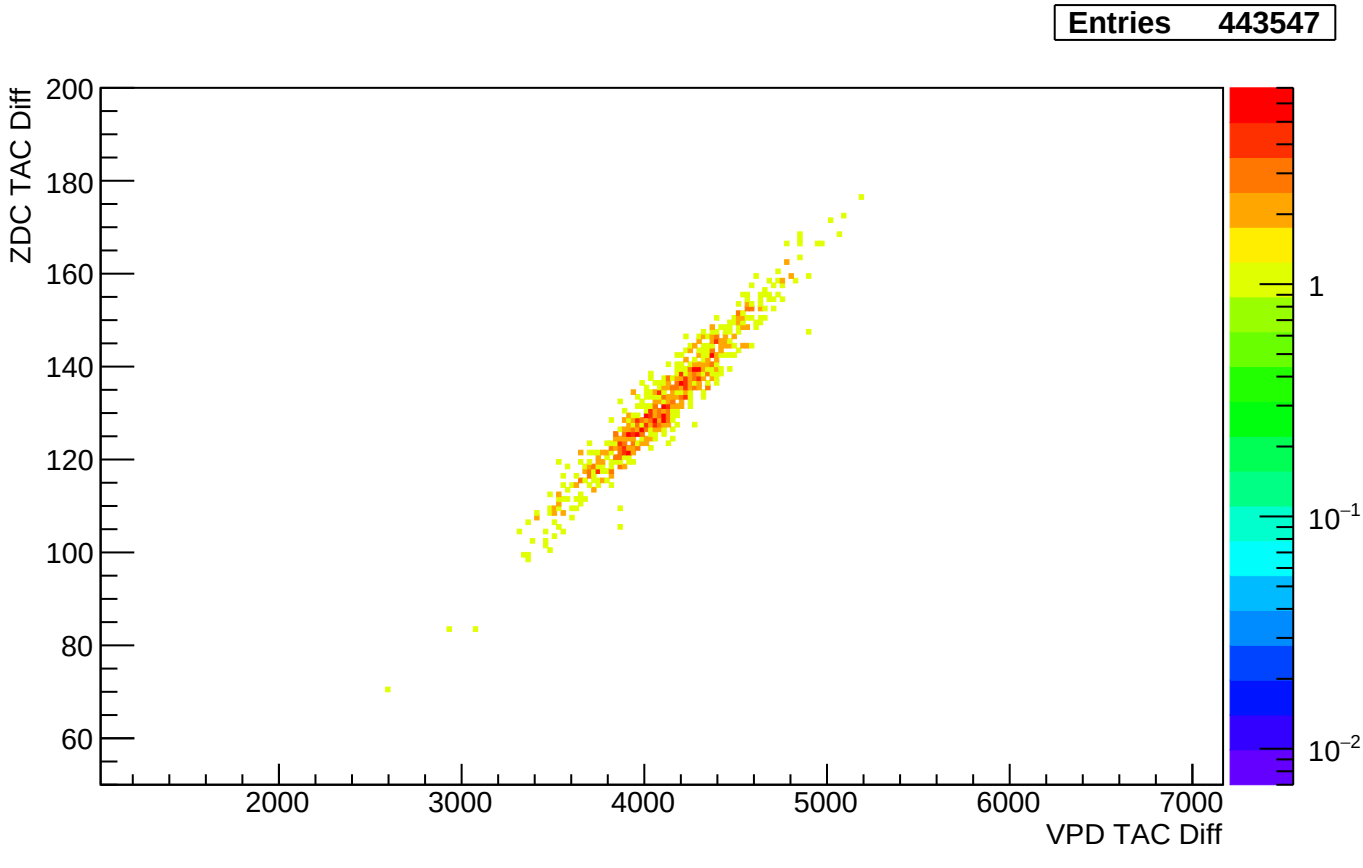

Entries 443547
TOF-Mult
EPD-East Hit Cnt

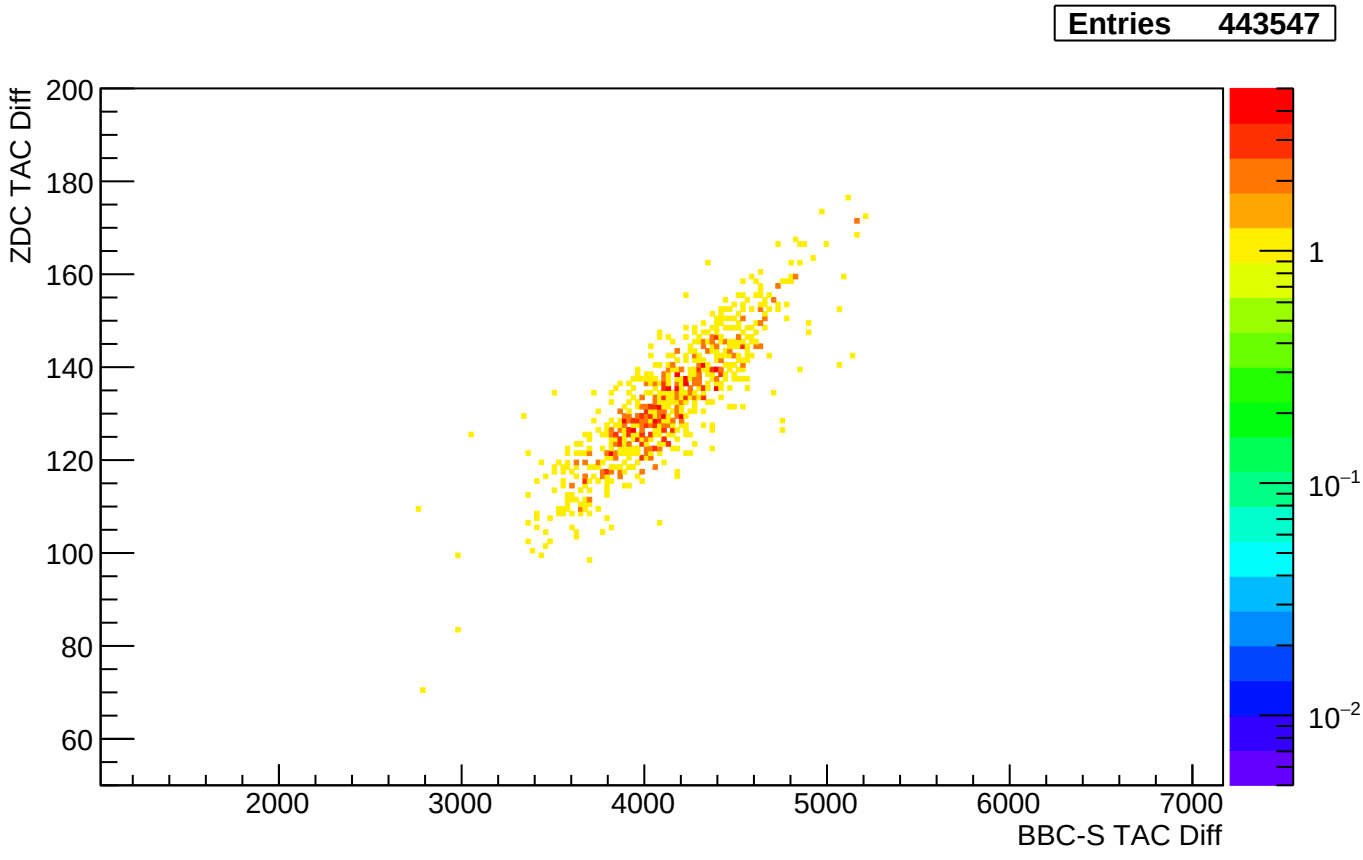

Entries 443547
TOF-Mult
EPD-West Hit Cnt

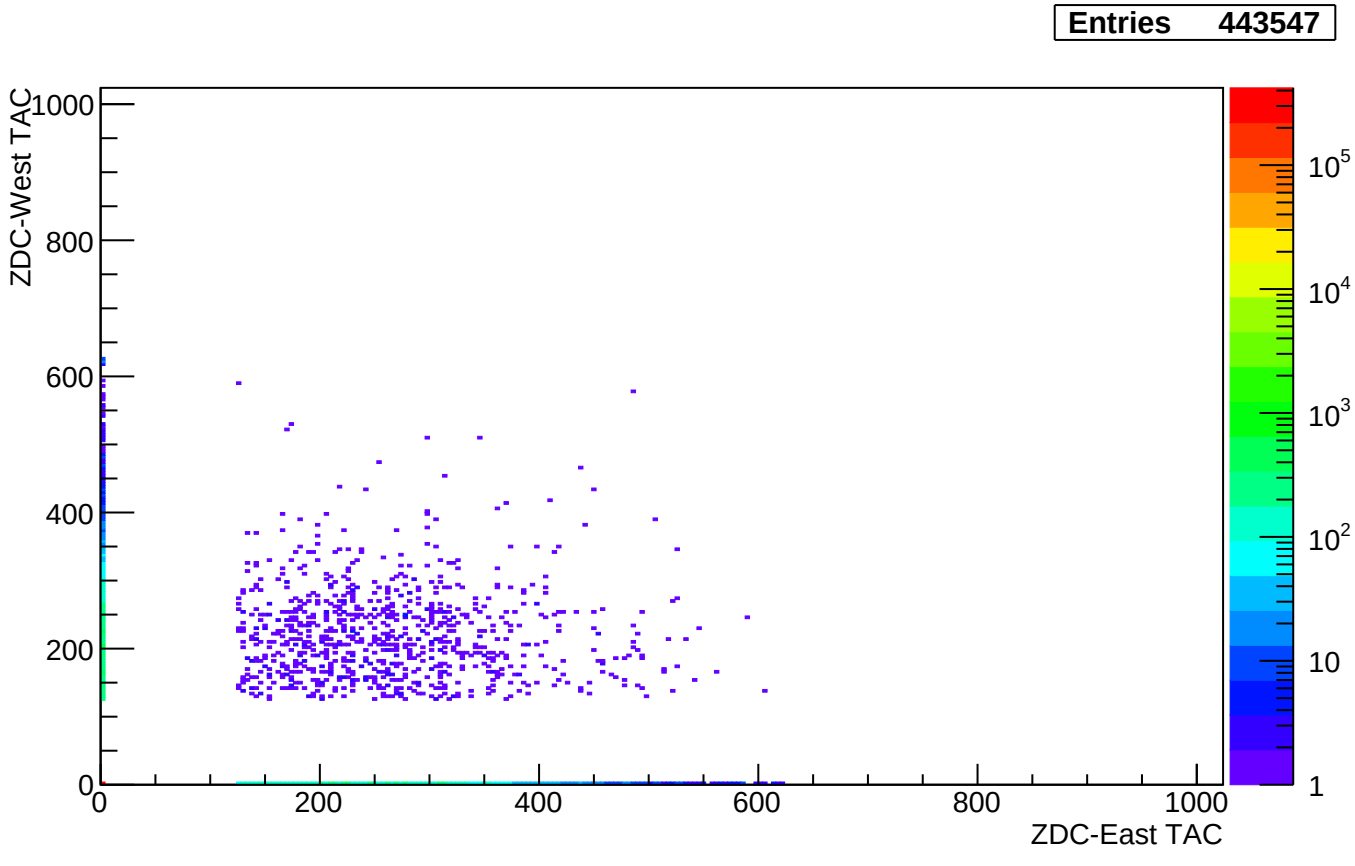

Entries 443547
TOF-Mult
VPD-East ADC Sum

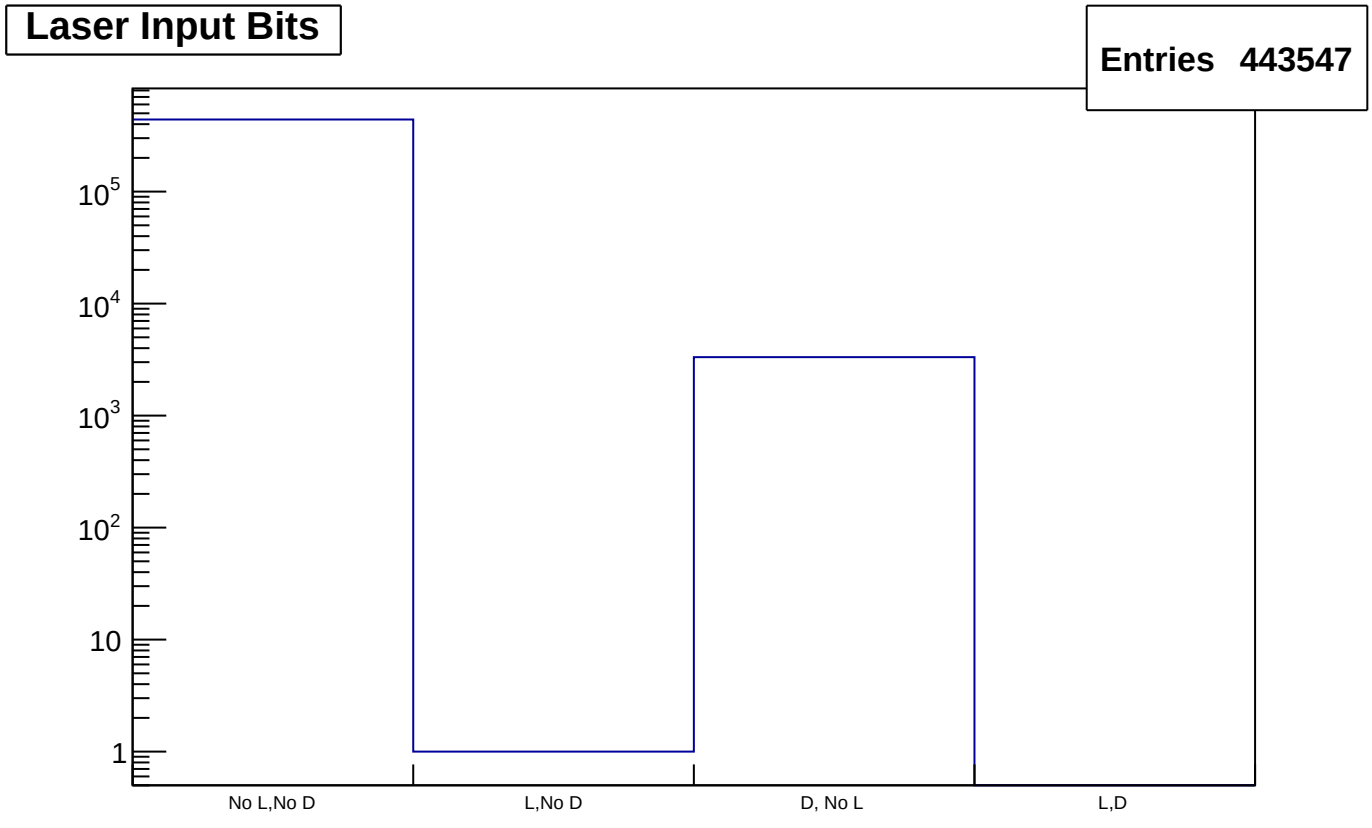

Entries 443547
TOF-Mult
VPD-West ADC Sum

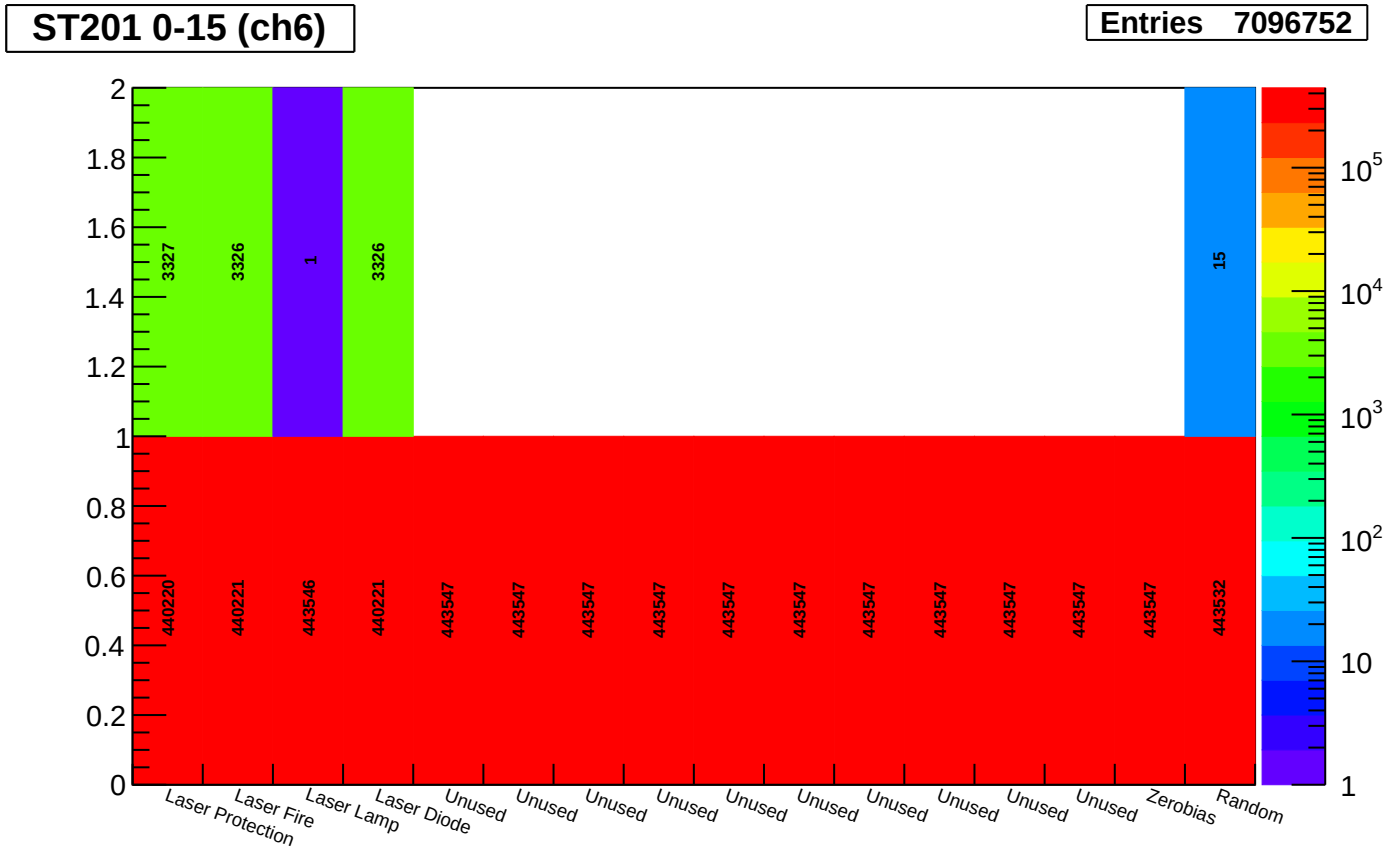

Entries 443547
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
$10^{-1}$
$10^{-2}$

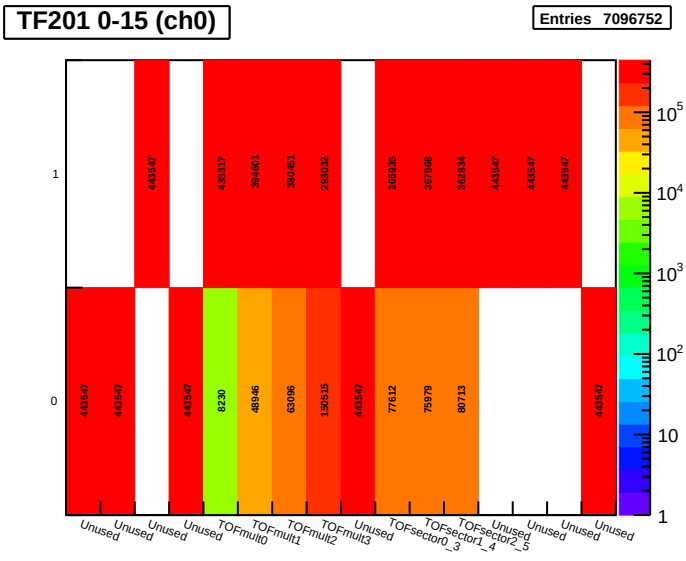

Entries 443547
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
$10^{-1}$
$10^{-2}$

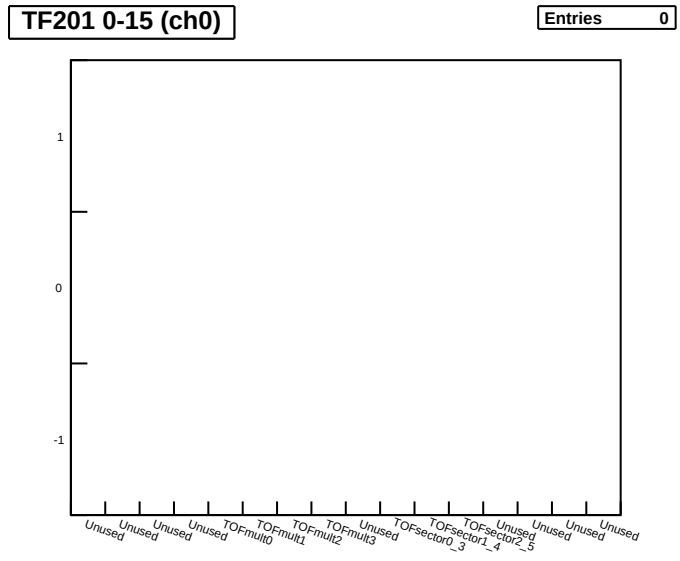

Entries 443547
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
$10^{-1}$
$10^{-2}$

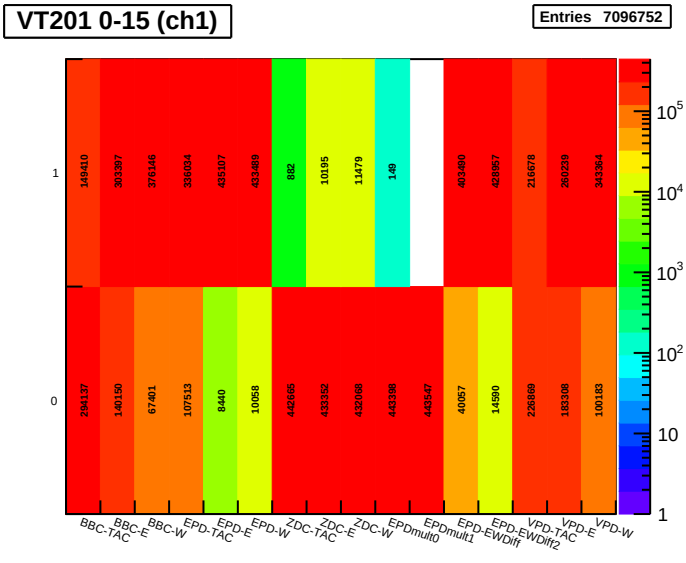

Entries 443547
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
$10^5$
$10^4$
$10^3$
$10^2$
10
1

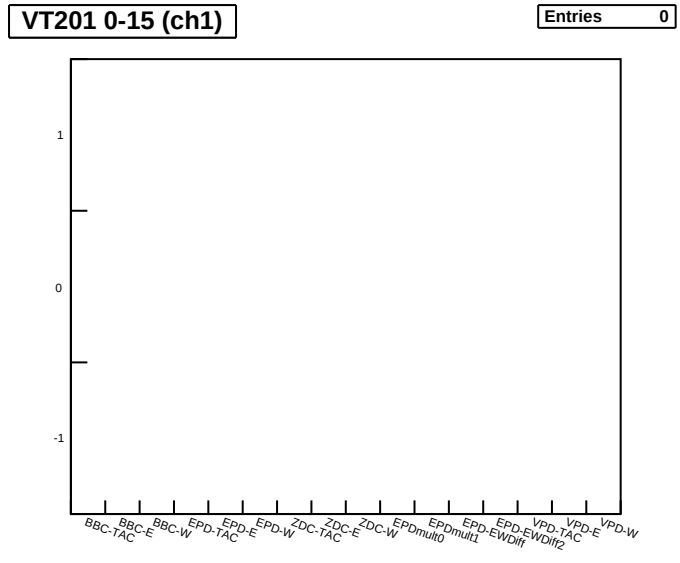

Laser Input Bits
Entries 443547
$10^5$
$10^4$
$10^3$
$10^2$
10
1
No L,No D
L,No D
D, No L
L,D

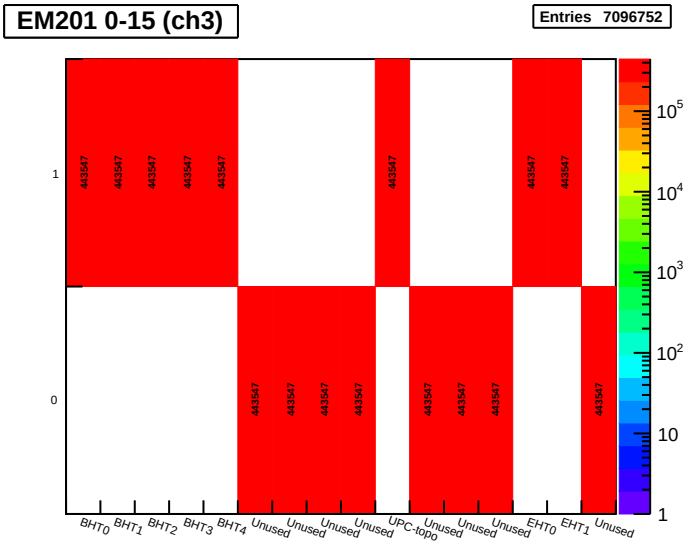

ST201 0-15 (ch6)
Entries 7096752
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3327
3326
1
3326
15
440220
440221
443546
440221
443547
443547
443547
443547
443547
443547
443547
443547
443547
443547
443547
443532
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
$10^5$
$10^4$
$10^3$
$10^2$
10
1

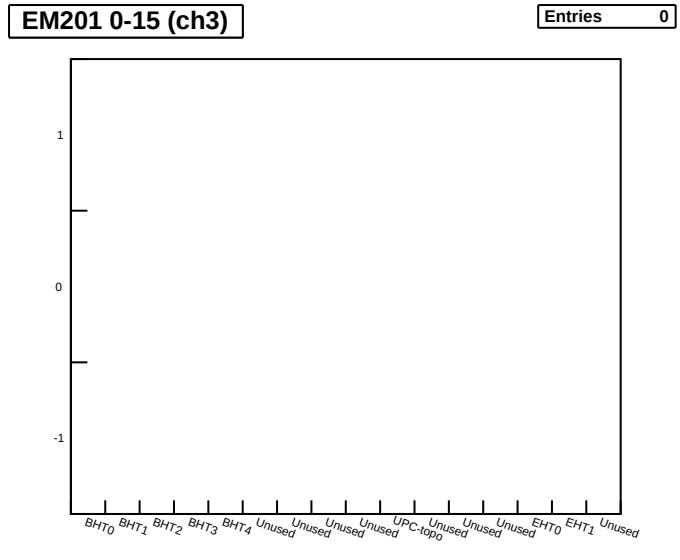

TF201 0-15 (ch0)
Entries 7096752
1
0
443547
435317
394601
380451
293032
365935
357568
362834
443547
443547
443547
443547
443547
443547
8230
49946
63096
150515
443547
77612
75979
80713
443547
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
$10^5$
$10^4$
$10^3$
$10^2$
10
1


TF201 0-15 (ch0)
Entries 0
1
0
-1
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5


VT201 0-15 (ch1)
Entries 7096752
1
0
149410
303397
376146
336034
435107
433489
852
10195
11479
149
403490
428957
216678
260239
343364
294137
140150
67401
107513
8440
10058
442665
433352
432068
443398
443547
40057
14590
226869
183308
100183
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
EPDmult0
EPDmult1
EPD-EWDiff
EPD-EWDiff2
VPD-TAC
VPD-E
VPD-W
$10^5$
$10^4$
$10^3$
$10^2$
10
1


VT201 0-15 (ch1)
Entries 0
1
0
-1
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
EPDmult0
EPDmult1
EPD-EWDiff
EPD-EWDiff2
VPD-TAC
VPD-E
VPD-W


EM201 0-15 (ch3)
Entries 7096752
1
0
443547
443547
443547
443547
443547
443547
443547
443547
443547
443547
443547
443547
443547
443547
443547
443547
443547
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
$10^5$
$10^4$
$10^3$
$10^2$
10
1


EM201 0-15 (ch3)
Entries 0
1
0
-1
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1